

Report Period

1/08/2024

30/08/2024

**Monthly Monitoring Summary
for Hodgson Quarries and Plant Pty Ltd
Roberts Road Sand Quarry, Maroota,
NSW**

Site Monitoring Locations



Groundwater Levels

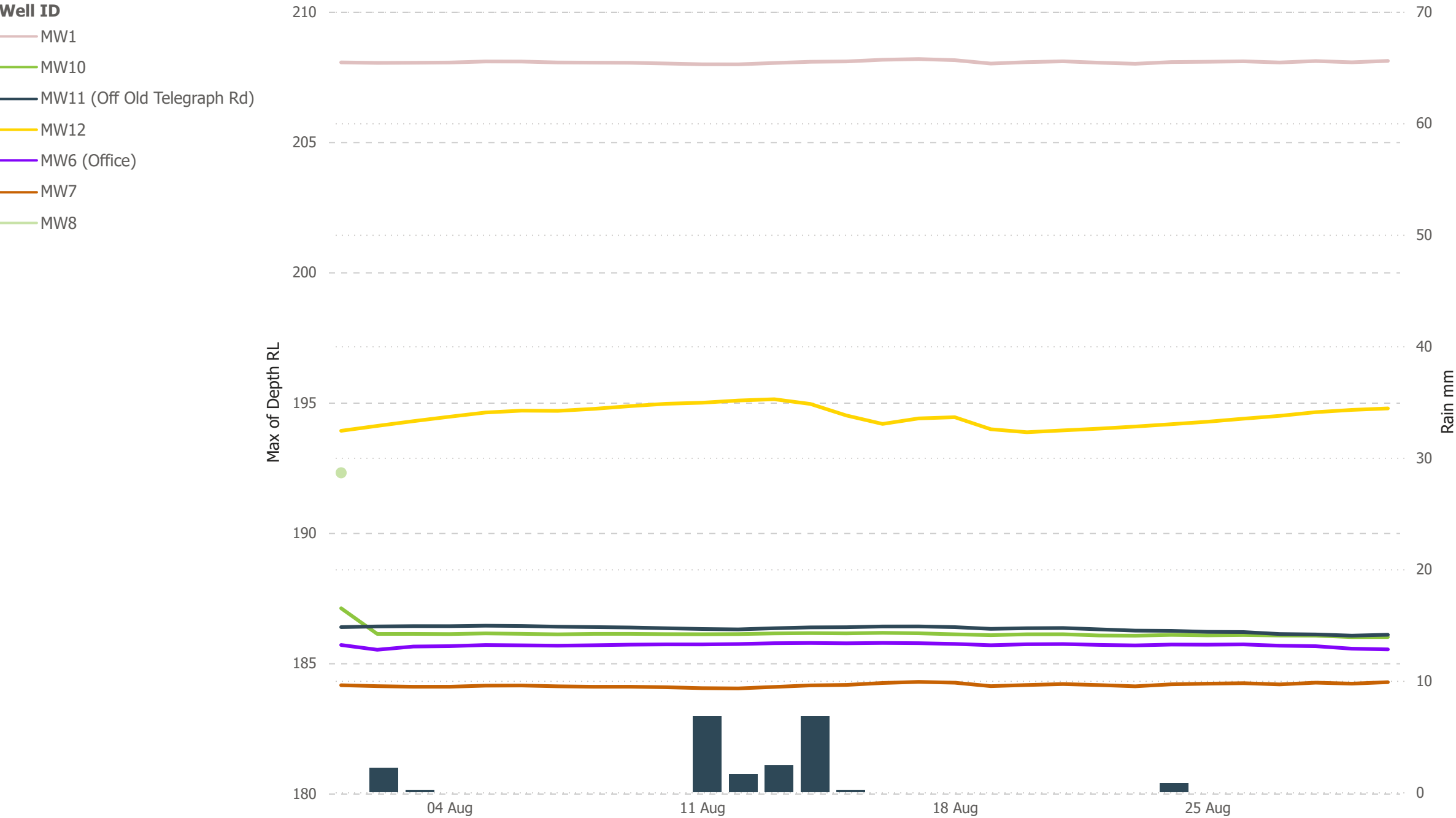
Groundwater levels are currently monitored in nine boreholes located on the site. Groundwater levels are manually measured for depth each month using a groundwater dipper. Data is downloaded from groundwater loggers where present. MW1 logger was installed prior to 2015; the remaining loggers were installed in 2017.

Graph 1 displays the depths as of January 2017. Graph 2 shows depths in the past month. Following anomalous readings from the MW5 logger, the bore was investigated and discovered to have collapsed. The logger was relocated to a functioning bore and the bore abandoned and replaced by nearby MW8.

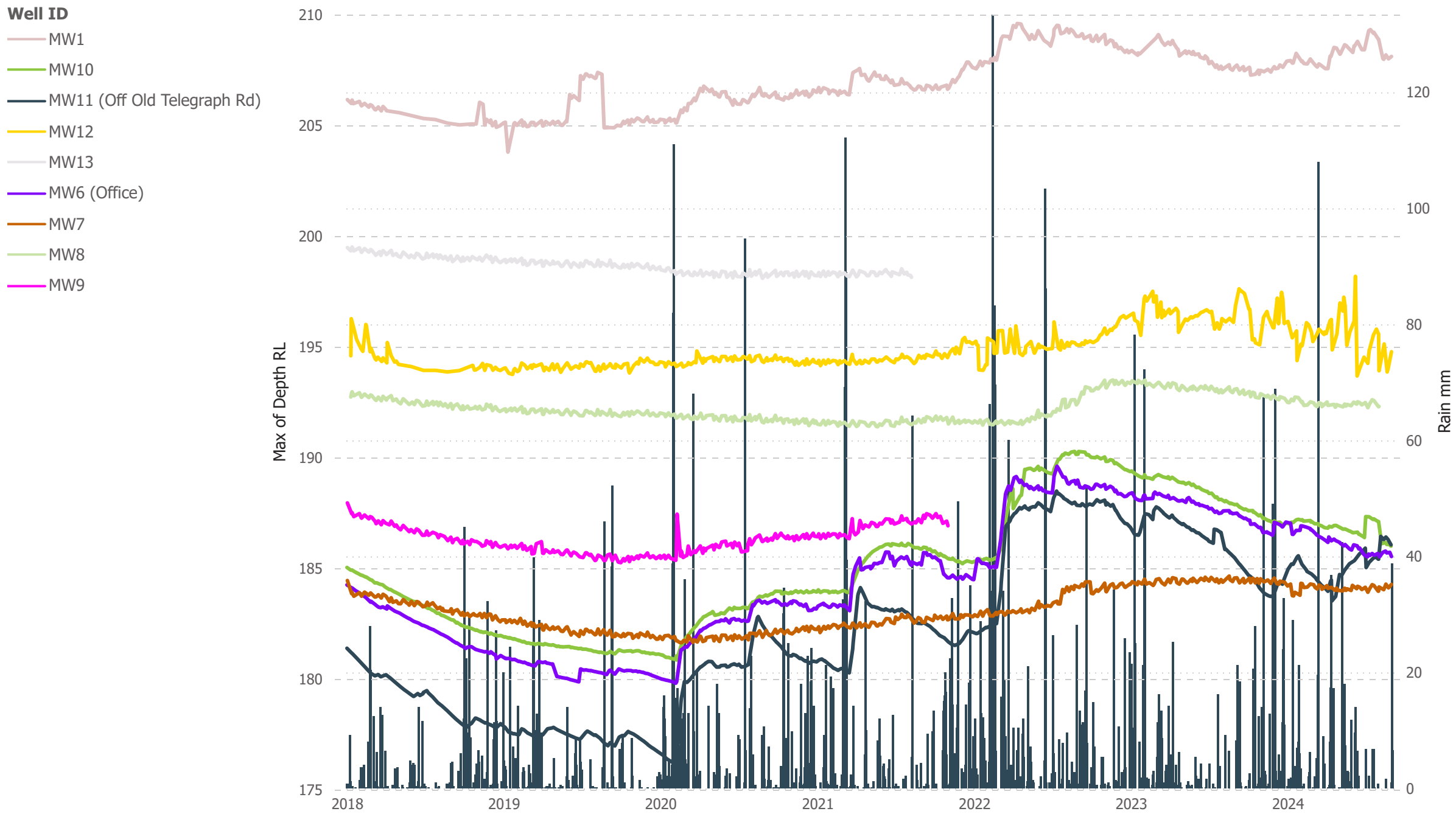
MW1 and MW12 were taken away for repairs during April 2018 and returned in October 2018, hence the gap in reporting on the following graphs.

Due to rain gauge malfunctions, rainfall was not recorded in 2020 until a new weather station was installed onsite 29th May 2020. Where available, daily rainfall received in the interim was been sourced from the Bureau of Meteorology.

Graph 2: All Groundwater Depths with Rainfall this month

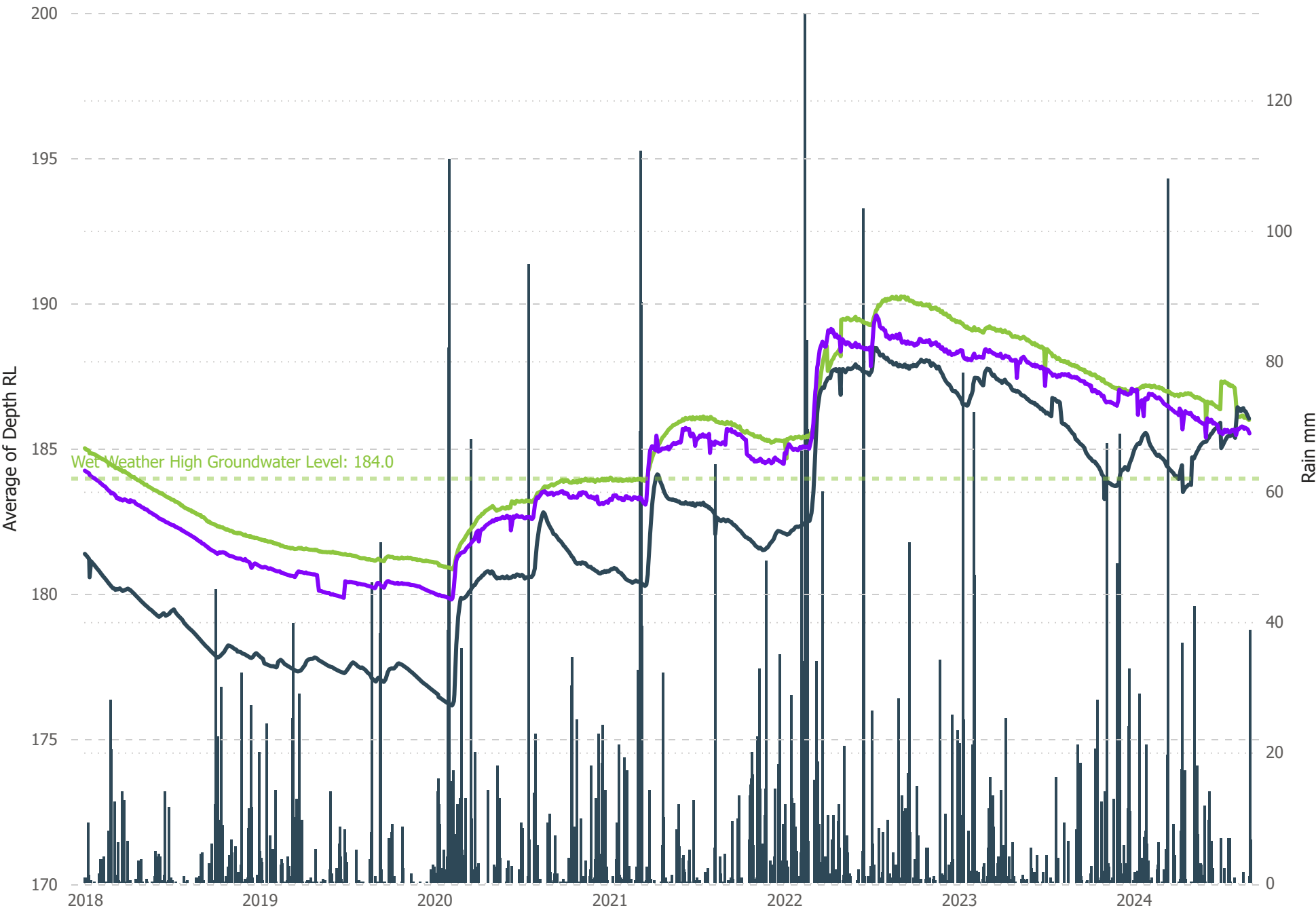


Graph 1: All Groundwater Depths with Rainfall from 1/1/2017

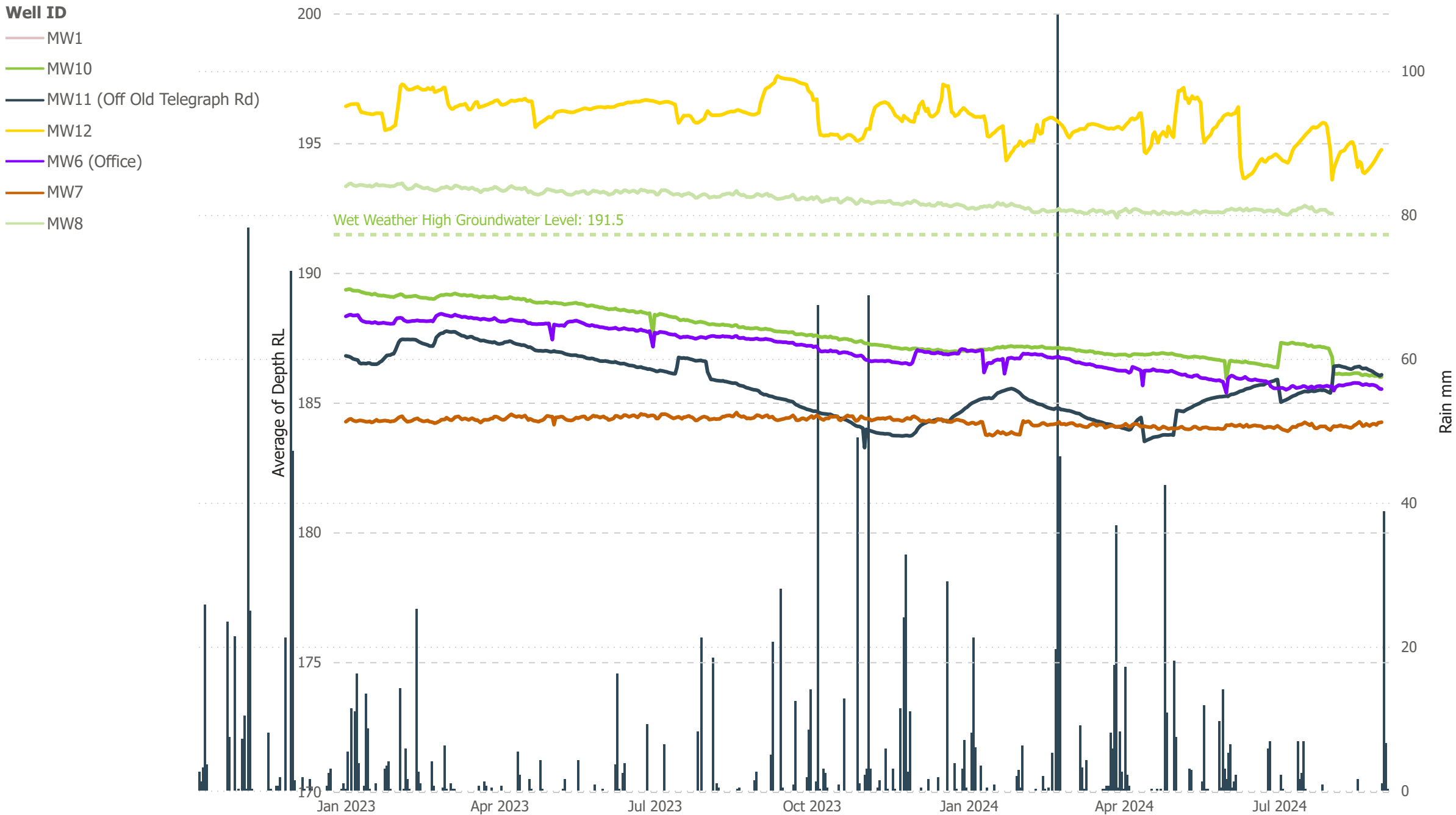


Graph 3: All Groundwater Depths with Rainfall in Maroota Sand

- Well ID
- MW10
 - MW11 (Off Old Telegraph Rd)
 - MW6 (Office)

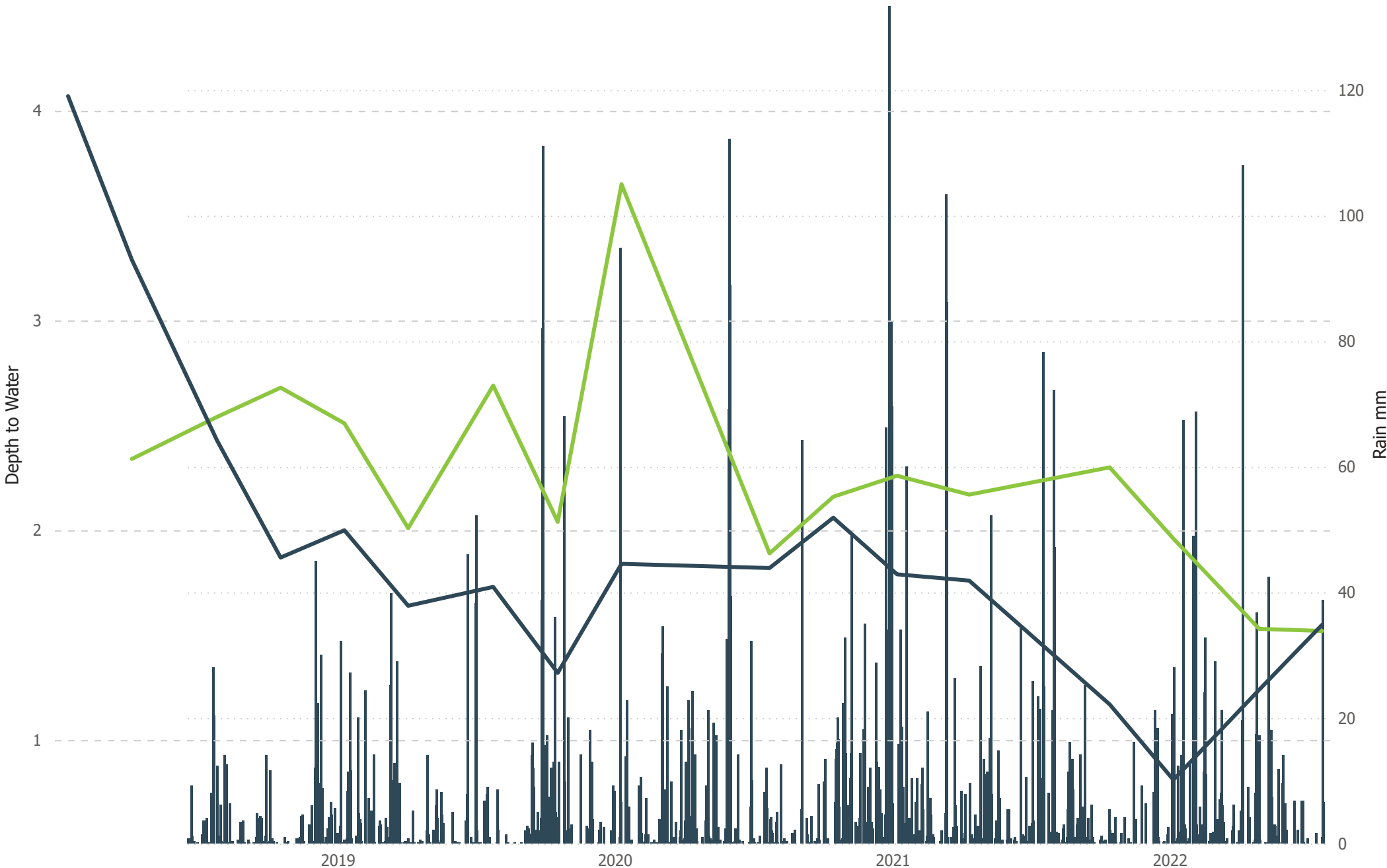


Graph 4: All Groundwater Depths with Rainfall in Hawkesbury Sandstone



Graph 5: Surface Water Depths with Rainfall

Sample
Dam 1 - Process
Dam 2 - Tailings



Weather Station Monitoring

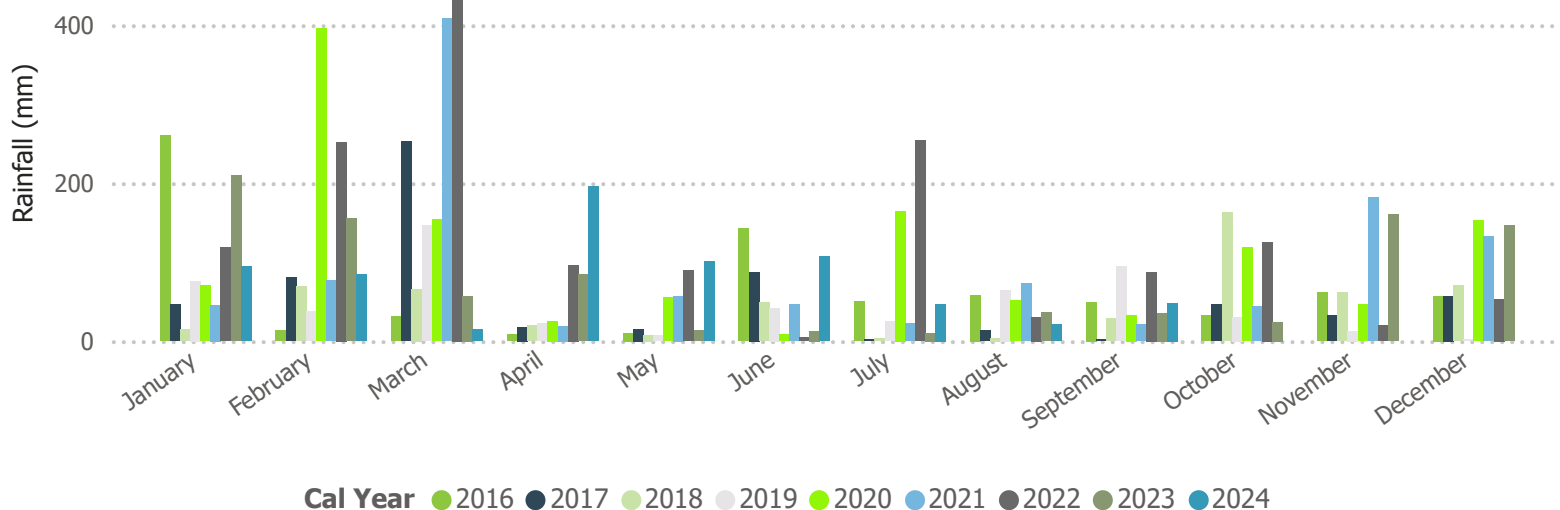
Due to gauge malfunctions, rainfall was not recorded in 2020 until a new weather station was installed onsite 29th May 2020. Where available, daily rainfall received in the interim was been sourced from the Bureau of Meteorology. Temperature monitoring during that period also shows gaps in the data. For modelling and reporting, Bureau of Meteorology averages were used

Weather Trends

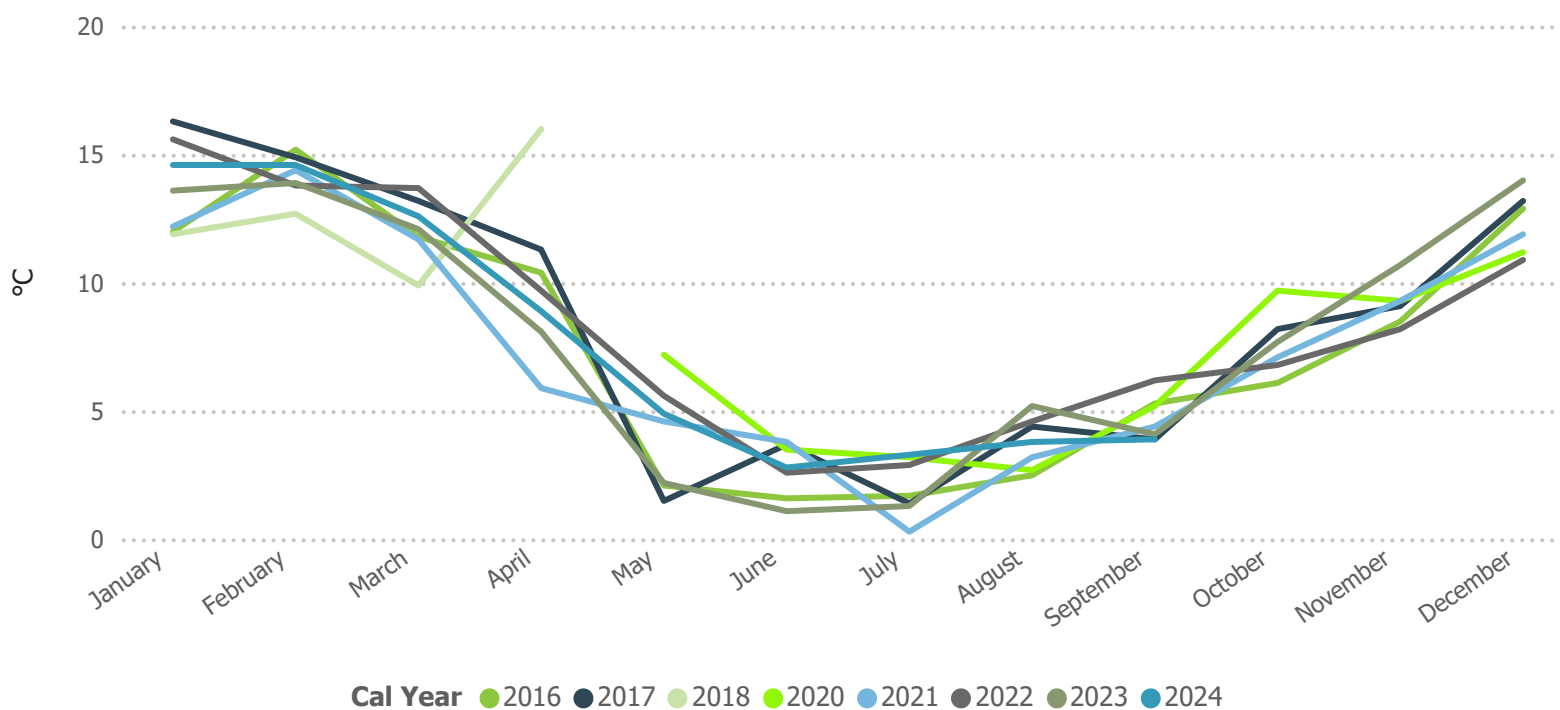
1/01/2016

31/10/2024

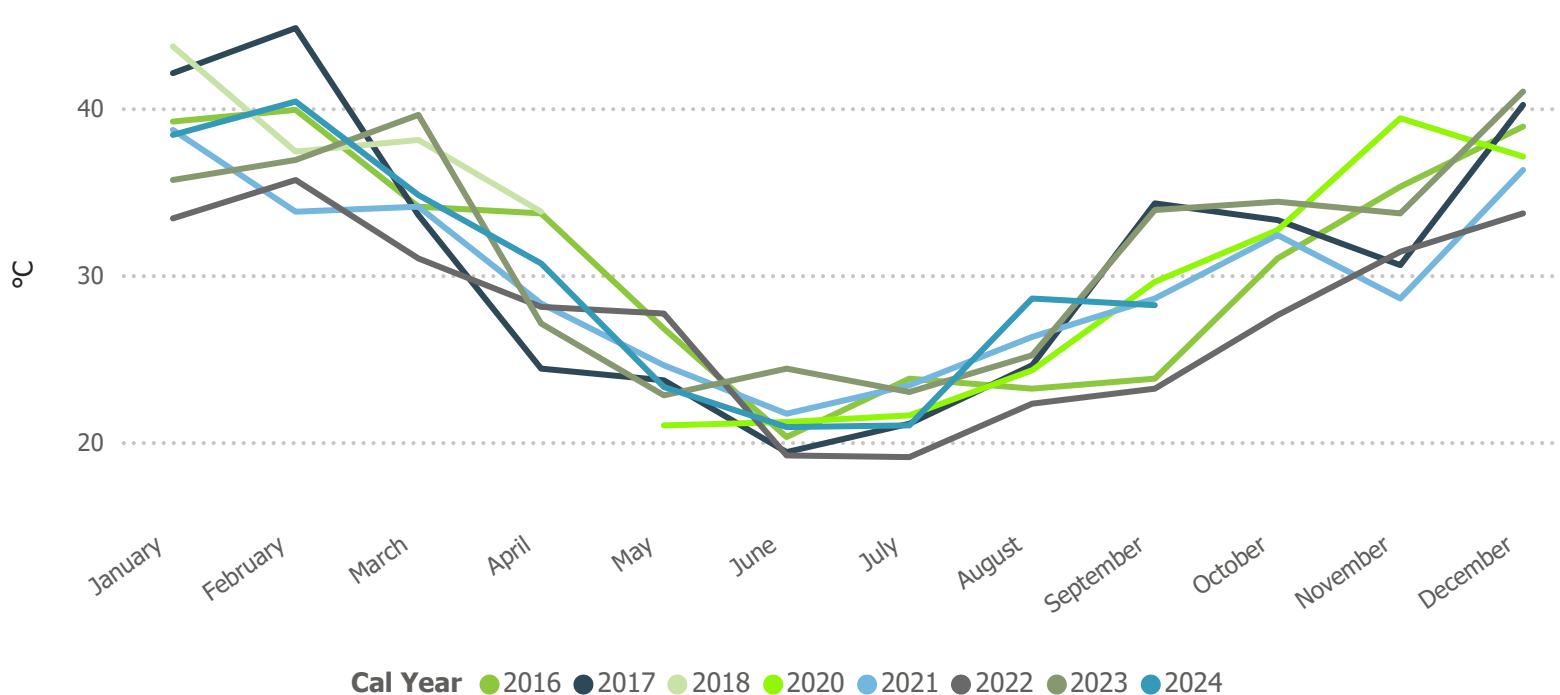
Precipitation



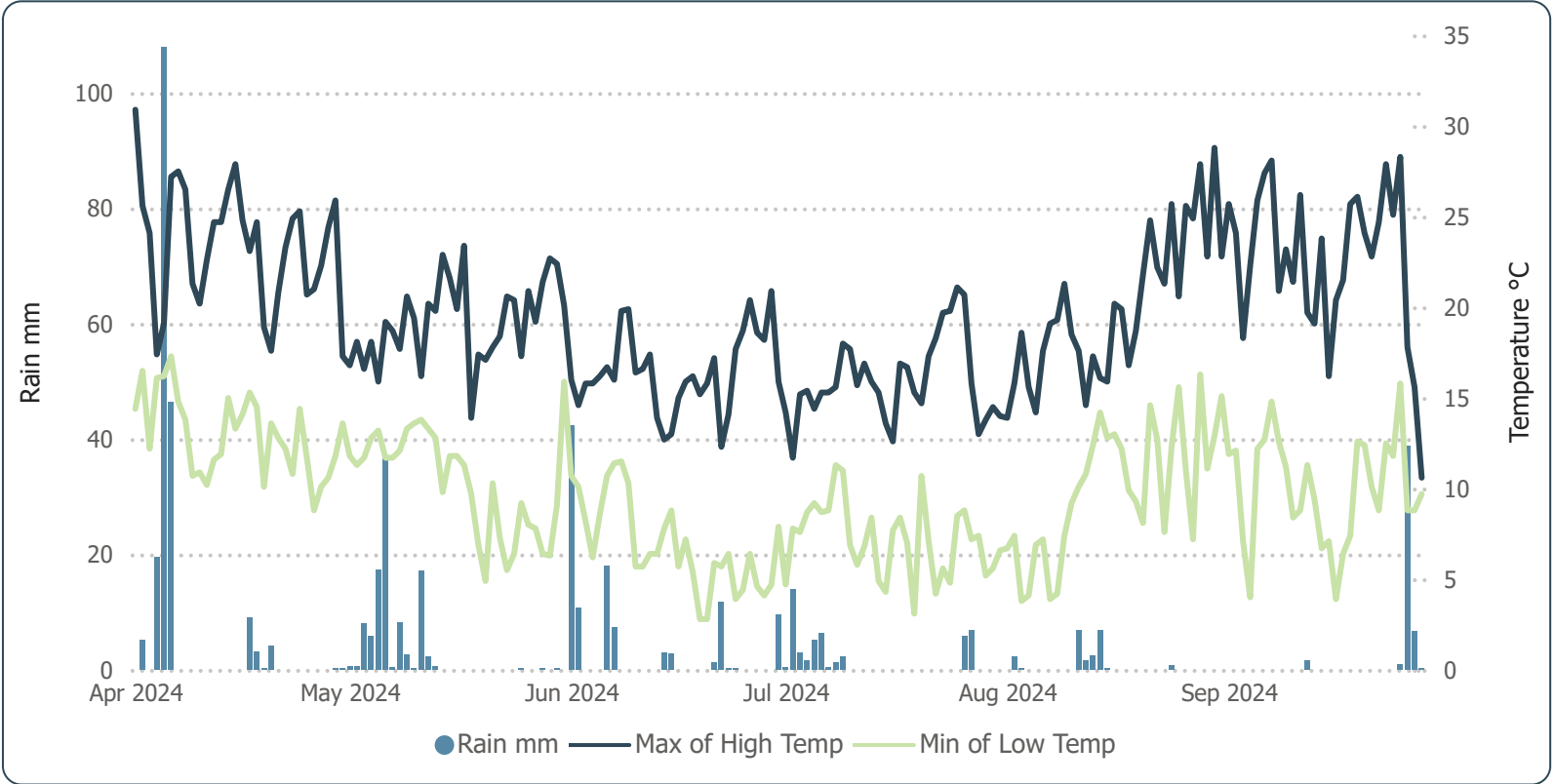
Minimum Temperature



Maximum Temperature



Weather Detail for last 6 months



Precipitation mm

Cal Year	April	May	June	July	August	September	Total
2024	196.2	101.2	107.4	47.0	21.0	48.2	521.0
Total	196.2	101.2	107.4	47.0	21.0	48.2	521.0

Minimum Temperature °C

Cal Year	April	May	June	July	August	September	Total
2024	8.9	4.9	2.8	3.3	3.8	3.9	2.8
Total	8.9	4.9	2.8	3.3	3.8	3.9	2.8

Average Temperature °C

Cal Year	April	May	June	July	August	September	Total
2024	17.3	13.9	11.2	11.1	14.6	16.1	14.0
Total	17.3	13.9	11.2	11.1	14.6	16.1	14.0

Maximum Temperature °C

Cal Year	April	May	June	July	August	September	Total
2024	30.7	23.3	20.9	21.0	28.6	28.2	30.7
Total	30.7	23.3	20.9	21.0	28.6	28.2	30.7

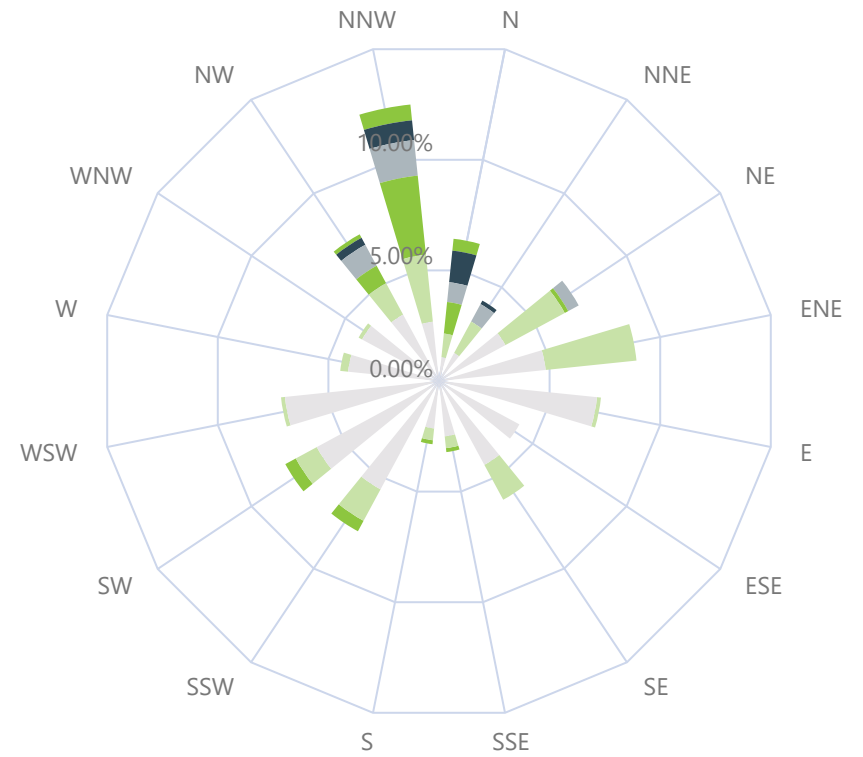
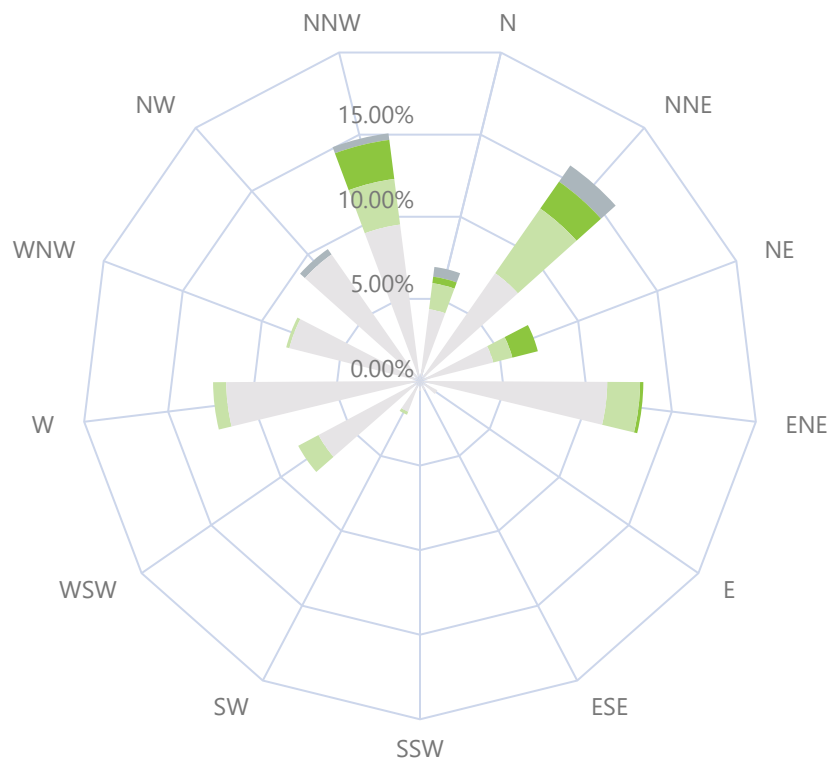
Wind Rose for Last 6 Months

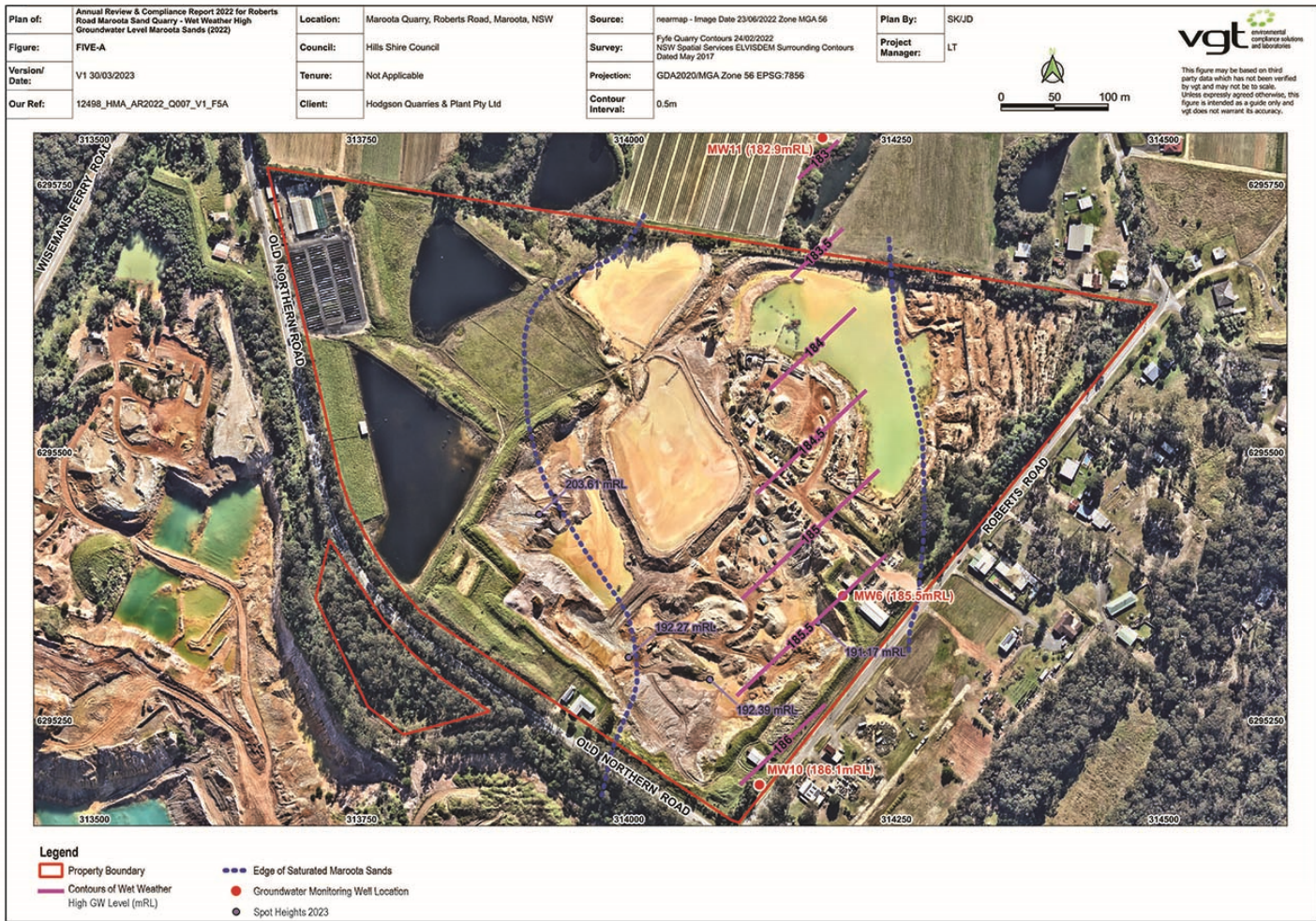
9 am

3 pm

Wind Speed Groups

➤ 0-5 km/h ➤ 5-10 km/h ➤ 10-15 km/h ➤ 15-20 km/h ➤ 20-25 Km/h ➤ 25-30 Km/h ➤ 30+ Km/h

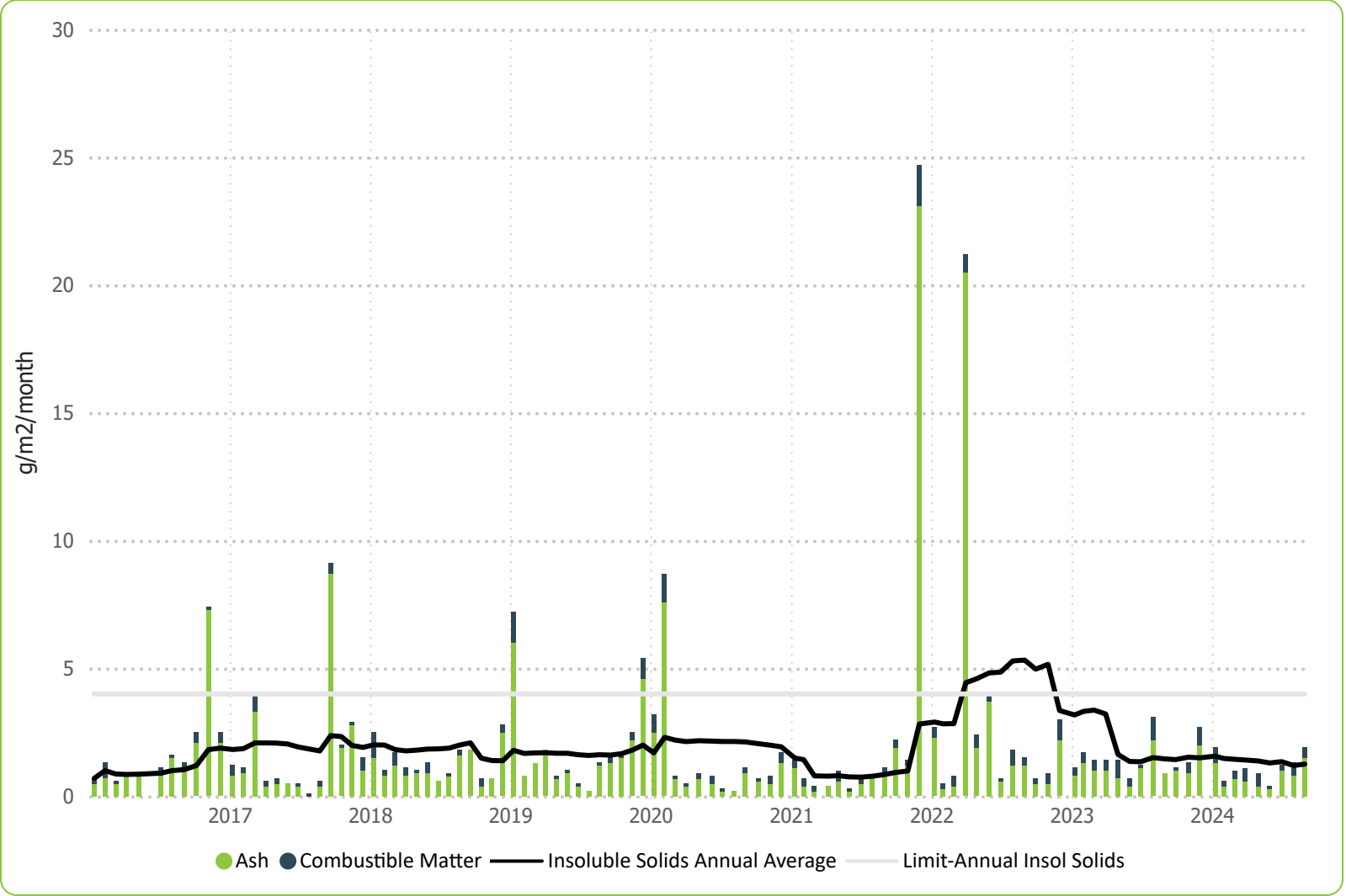




Depositional Dust and Particulate Matter Monitoring

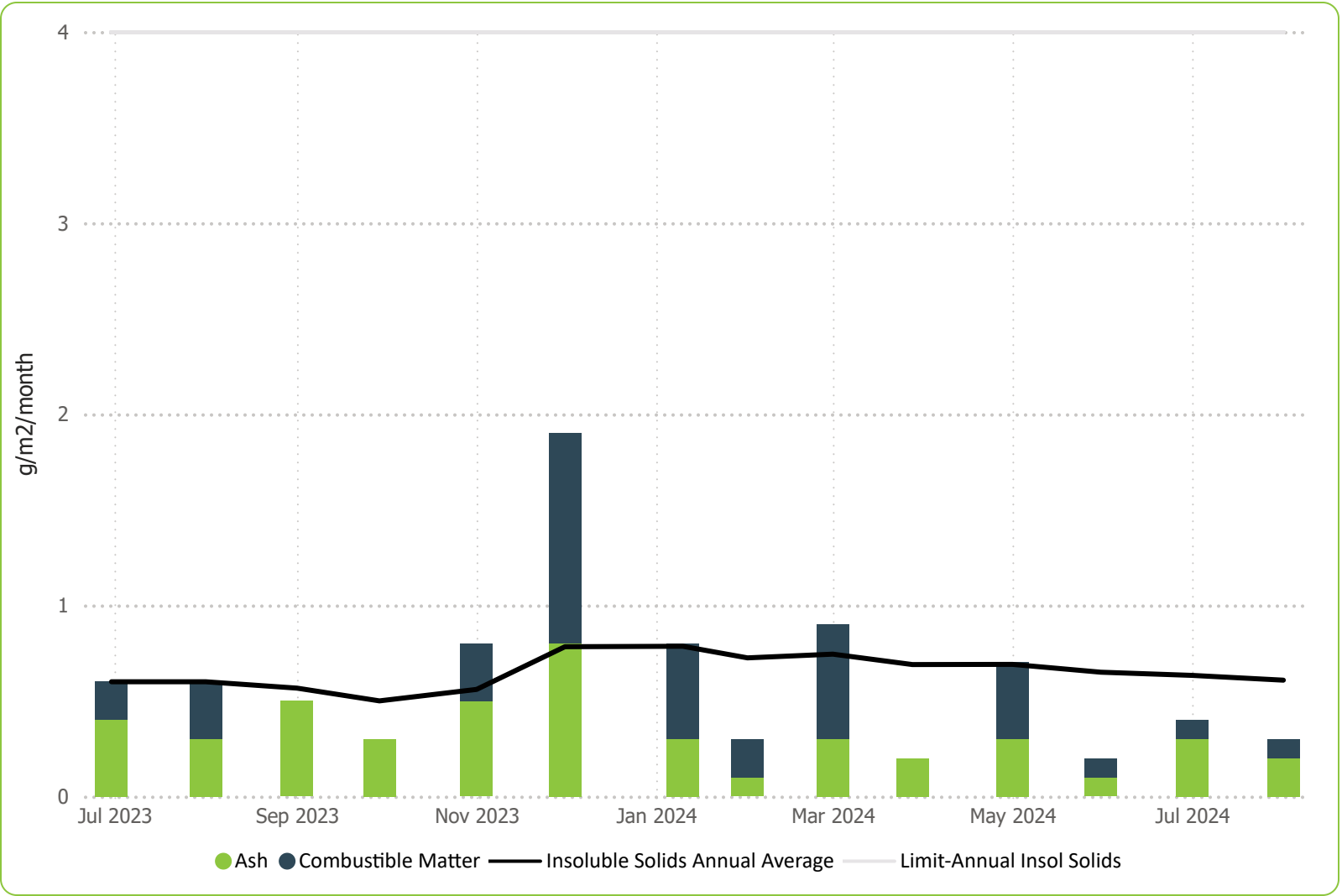
Depositional Dusts last 12 months

Insoluble Solids
Annual Average
g/m2/month



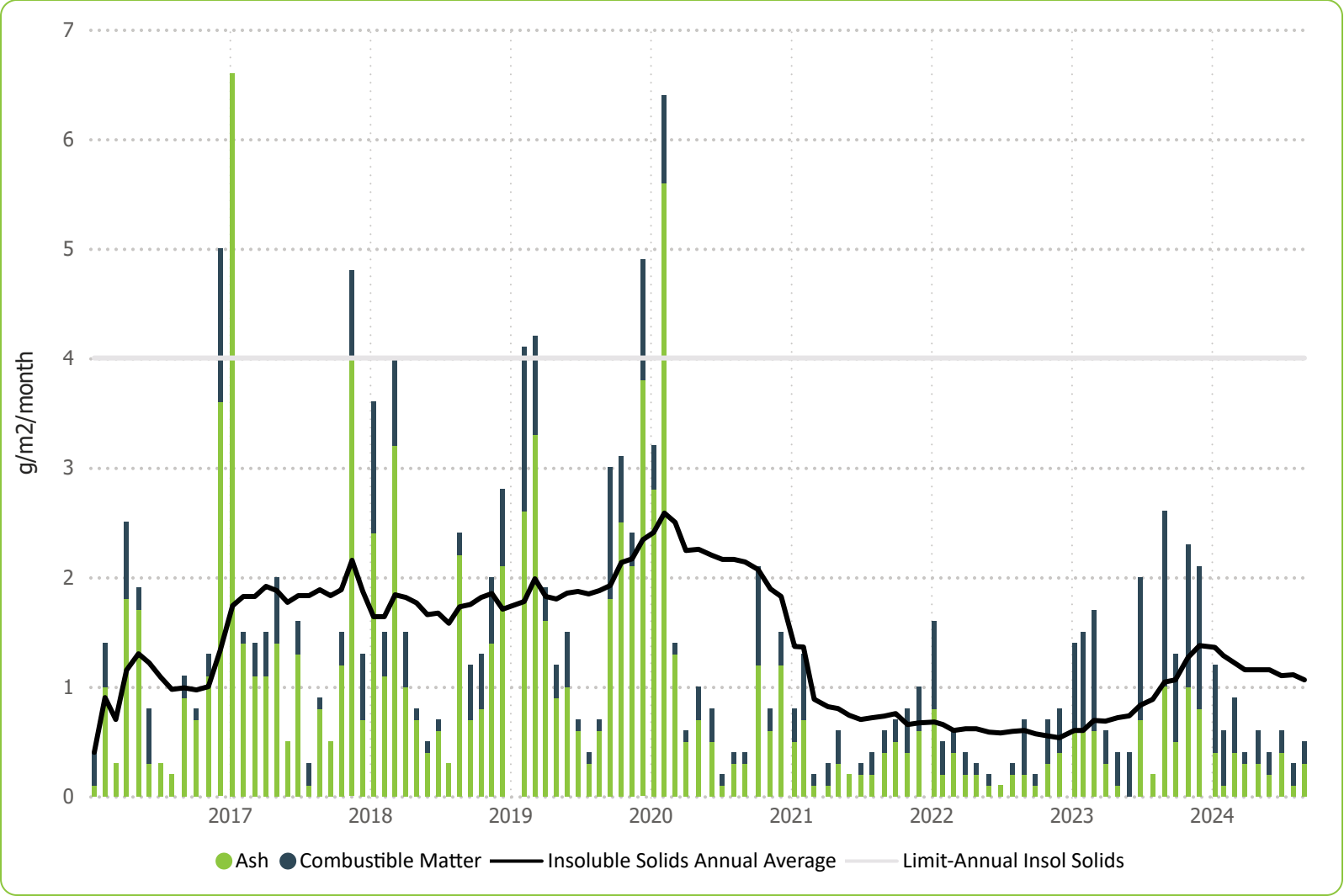
Date On	Comments	Date Sampled	Days On	Insoluble Solids	Ash	Combustible Matter	Calculated Rain
1/09/23		29/9/23	28	1.1	1.0	0.1	31
29/09/23		1/11/23	33	1.3	0.9	0.4	28
1/11/23		1/12/23	30	2.7	2.0	0.7	114
1/12/23		10/1/24	43	1.9	1.3	0.6	115
10/01/24		1/2/24	22	0.6	0.4	0.2	85
1/02/24		1/3/24	30	1.0	0.7	0.3	82
1/03/24		28/3/24	29	1.1	0.6	0.5	18
28/03/24		1/5/24	34	0.9	0.4	0.5	115
1/05/24		31/5/24	31	0.4	0.3	0.1	107
31/05/24		1/7/24	31	1.2	1.0	0.2	109
1/07/24		1/8/24	31	1.3	0.8	0.5	48
1/08/24		30/8/24	29	1.9	1.5	0.4	26

Insoluble Solids
Annual Average
g/m2/month



Date On	Comments	Date Sampled	Days On	Insoluble Solids	Ash	Combustible Matter	Calculated Rain
1/08/23		29/9/23	28	0.3	0.3	0.0	28
1/09/23		1/11/23	33	0.8	0.5	0.3	8
29/09/23		1/12/23	30	1.9	0.8	1.1	115
1/11/23		10/1/24	43	0.8	0.3	0.5	114
1/12/23		1/2/24	22	0.3	0.1	0.2	72
10/01/24		1/3/24	30	0.9	0.3	0.6	69
1/02/24		28/3/24	29	0.2	0.2	0.0	9
1/03/24		1/5/24	34	0.7	0.3	0.4	114
28/03/24		31/5/24	31	0.2	0.1	0.1	101
1/05/24		1/7/24	31	0.4	0.3	0.1	99
31/05/24		1/8/24	31	0.3	0.2	0.1	38
1/07/24							

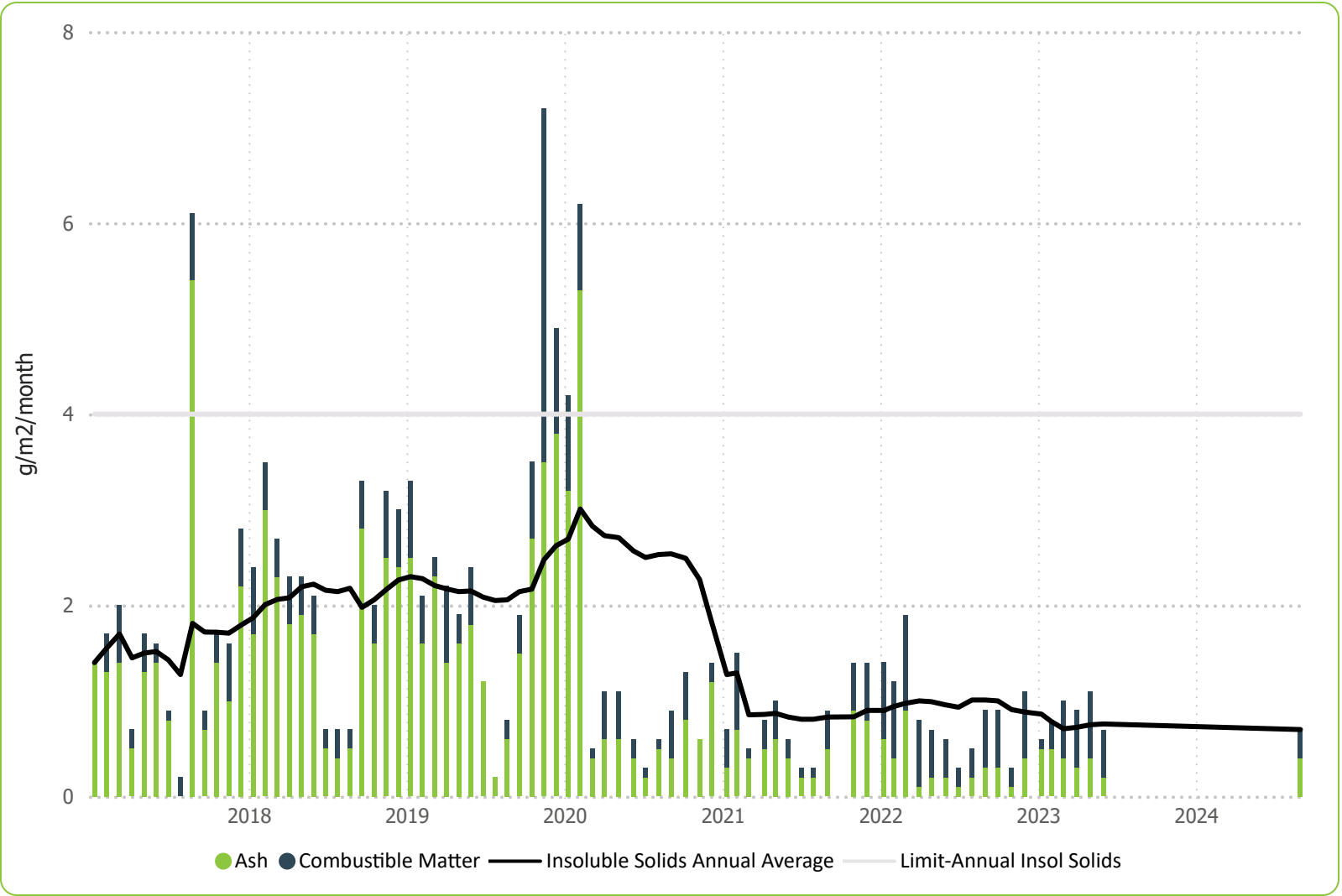
Insoluble Solids
Annual Average
g/m2/month



Date On	Comments	Date Sampled	Days On	Insoluble Solids	Ash	Combustible Matter	Calculated Rain
1/09/23		29/9/23	28	1.3	0.5	0.8	35
29/09/23		1/11/23	33	2.3	1.0	1.3	26
1/11/23		1/12/23	30	2.1	0.8	1.3	115
1/12/23	Funnel broken from large hail.	10/1/24	43	1.2	0.4	0.8	115
10/01/24		1/2/24	22	0.6	0.1	0.5	58
1/02/24	Vegetable farm adjacent recently ploughed	1/3/24	30	0.9	0.4	0.5	79
1/03/24		28/3/24	29	0.4	0.3	0.1	16
28/03/24		1/5/24	34	0.6	0.3	0.3	110
1/05/24		31/5/24	31	0.4	0.2	0.2	129
31/05/24		1/7/24	31	0.6	0.4	0.2	95
1/07/24		1/8/24	31	0.3	0.1	0.2	46
1/08/24		30/8/24	29	0.5	0.3	0.2	23



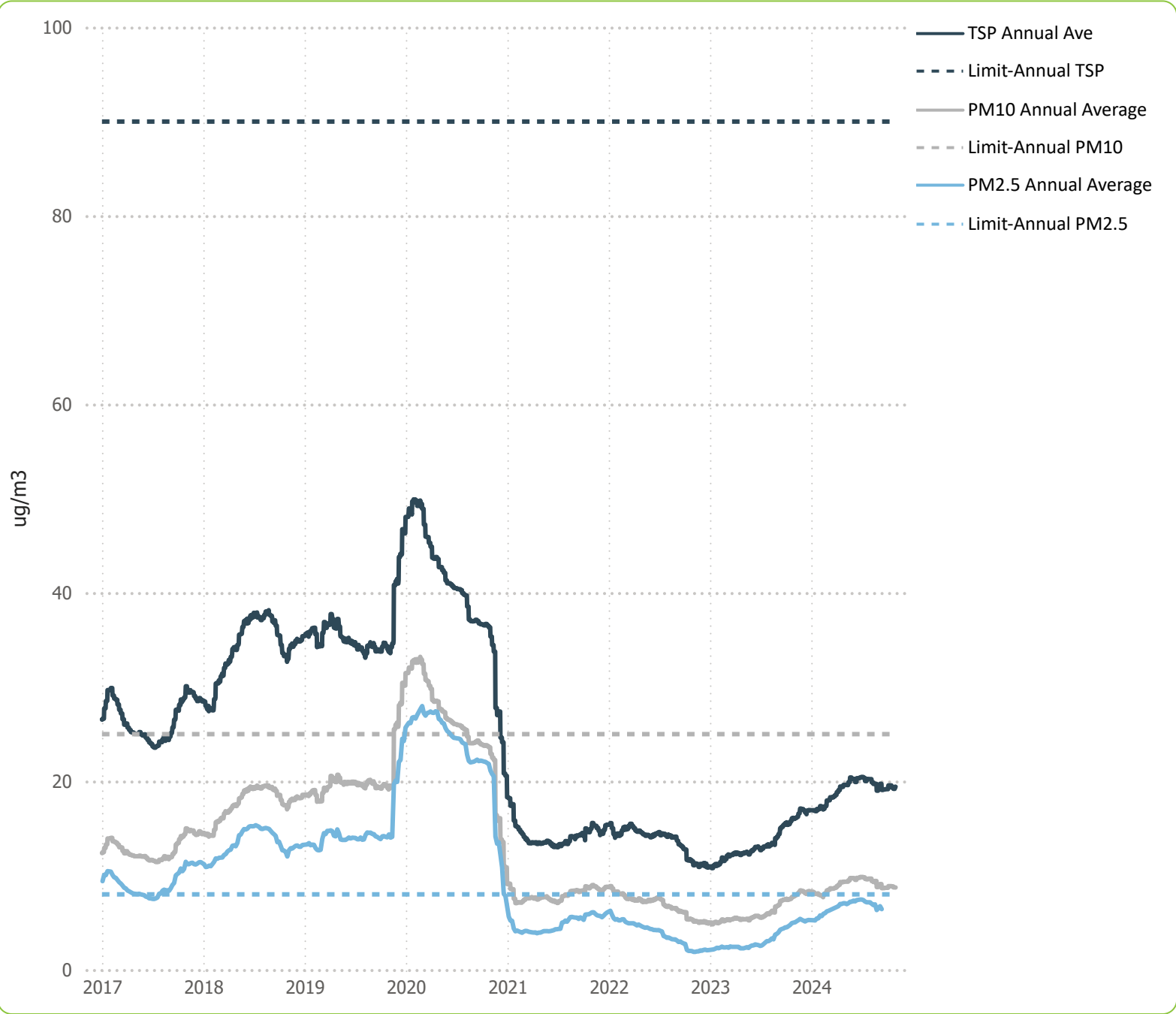
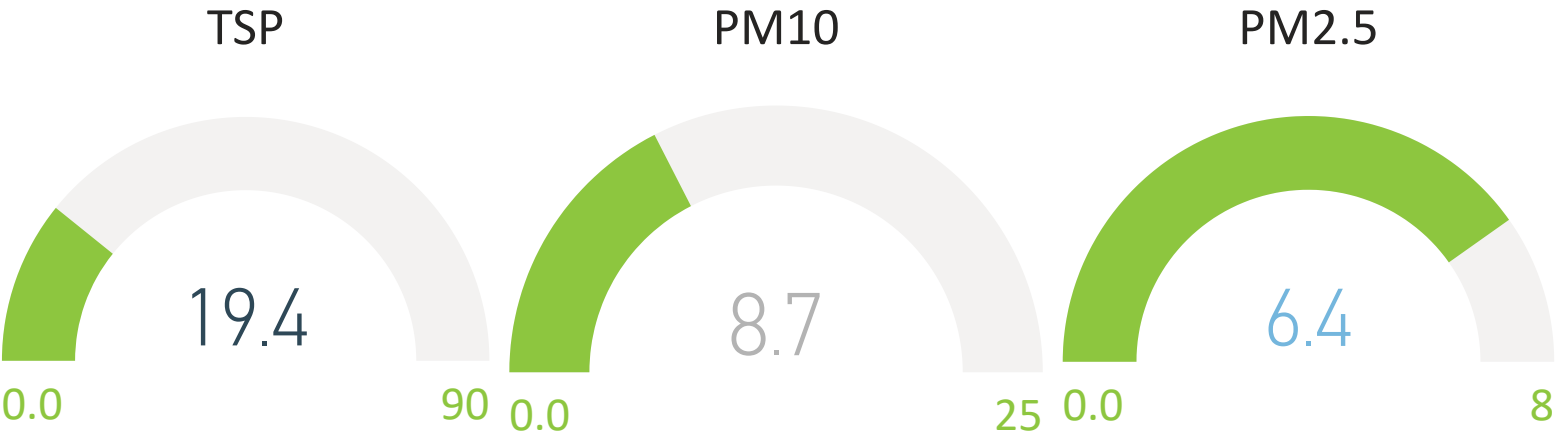
Insoluble Solids
Annual Average
g/m2/month



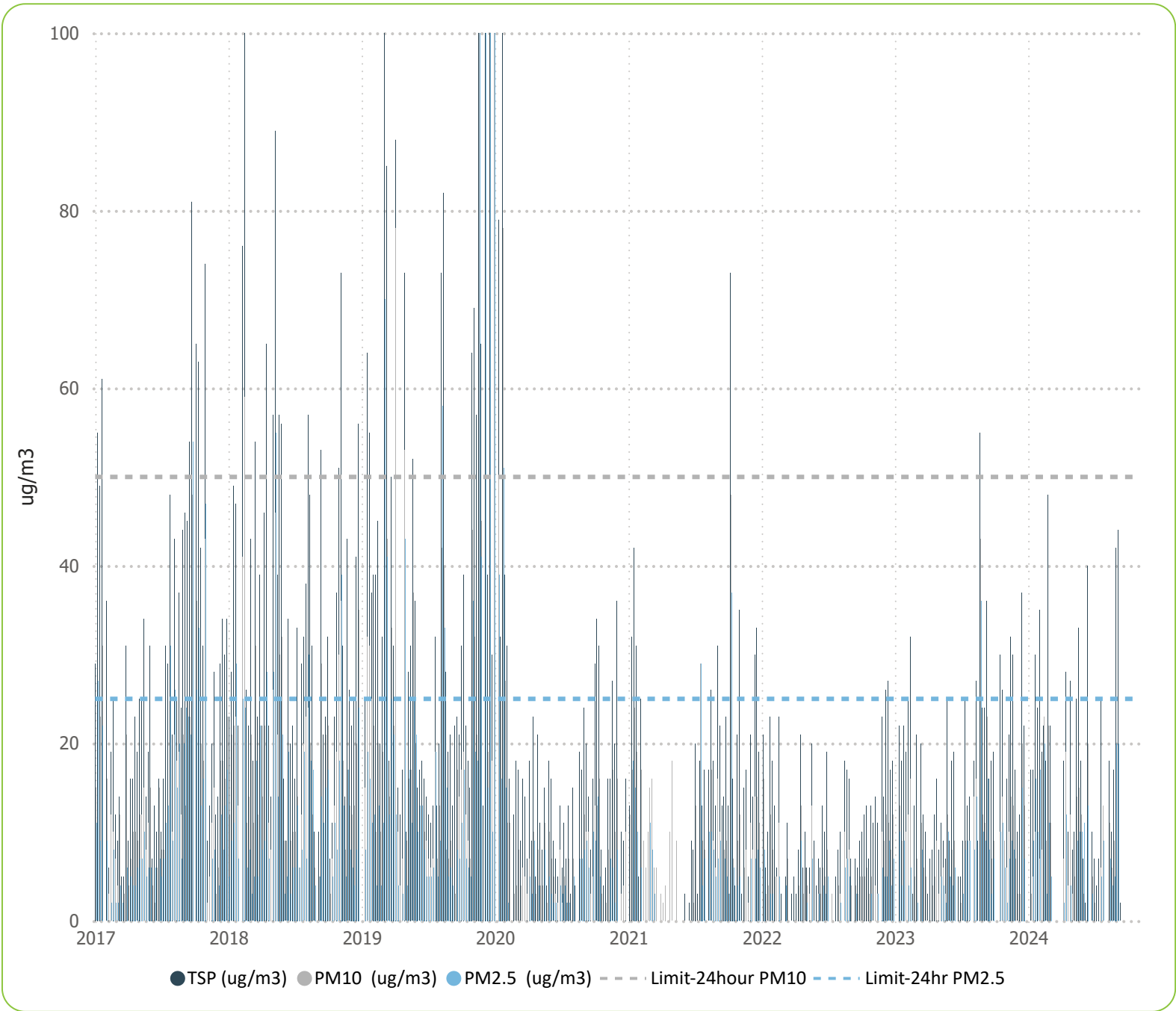
Date On	Comments
1/07/22	Sampled by Melissa Mass. Flooding rainfall event during July.
1/08/22	Sampled by Melissa Mass.
1/09/22	Sampled by Melissa Mass.
30/09/22	Sampled by Melissa Mass.
1/11/22	Sampled by Melissa Mass.
1/12/22	Sampled by Melissa Mass.
9/01/23	
1/02/23	Sampled by M.Mass
1/03/23	Sampled by M.Mass. Not compliant - Clear sky/ 10m from obstacle
31/03/23	Sampled by M.Mass.
2/05/23	Sampled by M.Mass.
1/08/24	

Date Sampled	Days On	Insoluble Solids	Ash	Combustible Matter	Calculated Rain
1/8/22	31	0.5	0.2	0.3	115
1/9/22	31	0.9	0.3	0.6	26
30/9/22	29	0.9	0.3	0.6	72
1/11/22	32	0.3	0.1	0.2	114
1/12/22	30	1.1	0.4	0.7	20
9/1/23	39	0.6	0.5	0.1	68
1/2/23	23	0.8	0.5	0.3	114
1/3/23	28	1.0	0.4	0.6	114
31/3/23	30	0.9	0.3	0.6	47
2/5/23	32	1.1	0.4	0.7	67
1/6/23	30	0.7	0.2	0.5	12
30/8/24	29	0.7	0.4	0.3	13

Particulate Matter Annual Averages (µg/m3)



Particulate Matter 24 Hour Averages (µg/m3)



PM10 24 hour exceedances (>50 µg/m3)

Date PM10 (ug/m3) Sampling Comments

PM2.5 24 hour exceedances (>25 µg/m3)

Date PM2.5 (ug/m3) Sampling Comments

Sample

Dam 1 - Process

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
Dam 1 - Process	5/10/23	4.3	229	140	55	3	1.0	3.0	26	5.0
Dam 1 - Process	22/1/24	7.2	149	93	28	13	5.3	2.0	14	3.0
Dam 1 - Process	12/4/24	7.4	131	82	16	17	6.2	1.0	8	3.0

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
Dam 1 - Process	5/10/23	4.3	229	140	55	3	1.0	3.0	26	5.0
Dam 1 - Process	22/1/24	7.2	149	93	28	13	5.3	2.0	14	3.0
Dam 1 - Process	12/4/24	7.4	131	82	16	17	6.2	1.0	8	3.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
Dam 1 - Process	5/10/23	4.3	229	140	55	3	1.0	3.0	26	5.0
Dam 1 - Process	22/1/24	7.2	149	93	28	13	5.3	2.0	14	3.0
Dam 1 - Process	12/4/24	7.4	131	82	16	17	6.2	1.0	8	3.0

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
Dam 1 - Process	5/10/23	4.3	229	140	55	3	1.0	3.0	26	5.0
Dam 1 - Process	22/1/24	7.2	149	93	28	13	5.3	2.0	14	3.0
Dam 1 - Process	12/4/24	7.4	131	82	16	17	6.2	1.0	8	3.0

Sample											▼
Dam 2 - Tailings											▼

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
Dam 2 - Tailings	31/7/24	4.7	230	140	52	16	4.0	4.0	23	3.0

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
Dam 2 - Tailings	31/7/24	4.7	230	140	52	16	4.0	4.0	23	3.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
Dam 2 - Tailings	31/7/24	4.7	230	140	52	16	4.0	4.0	23	3.0

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
Dam 2 - Tailings	31/7/24	4.7	230	140	52	16	4.0	4.0	23	3.0

Sample

Dam 3 - Nursery

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
Dam 3 - Nursery	5/10/23	9.3	183	110	26	9	5.0	3.0	14	4.0
Dam 3 - Nursery	22/1/24	7.2	181	110	29	6	6.5	4.0	14	7.2
Dam 3 - Nursery	12/4/24	7.1	155	97	28	6	3.0	2.0	12	5.7
Dam 3 - Nursery	31/7/24	7.0	149	93	29	10	5.0	3.0	14	5.3

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
Dam 3 - Nursery	5/10/23	9.3	183	110	26	9	5.0	3.0	14	4.0
Dam 3 - Nursery	22/1/24	7.2	181	110	29	6	6.5	4.0	14	7.2
Dam 3 - Nursery	12/4/24	7.1	155	97	28	6	3.0	2.0	12	5.7
Dam 3 - Nursery	31/7/24	7.0	149	93	29	10	5.0	3.0	14	5.3

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
Dam 3 - Nursery	5/10/23	9.3	183	110	26	9	5.0	3.0	14	4.0
Dam 3 - Nursery	22/1/24	7.2	181	110	29	6	6.5	4.0	14	7.2
Dam 3 - Nursery	12/4/24	7.1	155	97	28	6	3.0	2.0	12	5.7
Dam 3 - Nursery	31/7/24	7.0	149	93	29	10	5.0	3.0	14	5.3

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
Dam 3 - Nursery	5/10/23	9.3	183	110	26	9	5.0	3.0	14	4.0
Dam 3 - Nursery	22/1/24	7.2	181	110	29	6	6.5	4.0	14	7.2
Dam 3 - Nursery	12/4/24	7.1	155	97	28	6	3.0	2.0	12	5.7
Dam 3 - Nursery	31/7/24	7.0	149	93	29	10	5.0	3.0	14	5.3

Sample

Dam 4 - Farm

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
Dam 4 - Farm	5/10/23	8.8	89	56	12	4	2.0	2.0	8	3.0
Dam 4 - Farm	22/1/24	8.7	74	0	14	2	1.0	1.0	8	3.0
Dam 4 - Farm	12/4/24	7.3	74	0	14	2	0.7	0.9	6	3.0
Dam 4 - Farm	31/7/24	7.1	72	0	11	5	2.0	2.0	7	3.0

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
Dam 4 - Farm	5/10/23	8.8	89	56	12	4	2.0	2.0	8	3.0
Dam 4 - Farm	22/1/24	8.7	74	0	14	2	1.0	1.0	8	3.0
Dam 4 - Farm	12/4/24	7.3	74	0	14	2	0.7	0.9	6	3.0
Dam 4 - Farm	31/7/24	7.1	72	0	11	5	2.0	2.0	7	3.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
Dam 4 - Farm	5/10/23	8.8	89	56	12	4	2.0	2.0	8	3.0
Dam 4 - Farm	22/1/24	8.7	74	0	14	2	1.0	1.0	8	3.0
Dam 4 - Farm	12/4/24	7.3	74	0	14	2	0.7	0.9	6	3.0
Dam 4 - Farm	31/7/24	7.1	72	0	11	5	2.0	2.0	7	3.0

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
Dam 4 - Farm	5/10/23	8.8	89	56	12	4	2.0	2.0	8	3.0
Dam 4 - Farm	22/1/24	8.7	74	0	14	2	1.0	1.0	8	3.0
Dam 4 - Farm	12/4/24	7.3	74	0	14	2	0.7	0.9	6	3.0
Dam 4 - Farm	31/7/24	7.1	72	0	11	5	2.0	2.0	7	3.0

Sample

MW1

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
MW1	5/10/23	4.0	332	210	42	22	5.1	14.0	17	4.0
MW1	22/1/24	4.4	283	180	44	24	5.2	12.0	17	4.0
MW1	12/4/24	4.3	292	180	41	29	5.0	12.0	19	5.0
MW1	31/7/24	4.3	323	200	51	30	6.7	13.0	22	5.7

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
MW1	5/10/23	4.0	332	210	42	22	5.1	14.0	17	4.0
MW1	22/1/24	4.4	283	180	44	24	5.2	12.0	17	4.0
MW1	12/4/24	4.3	292	180	41	29	5.0	12.0	19	5.0
MW1	31/7/24	4.3	323	200	51	30	6.7	13.0	22	5.7

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
MW1	5/10/23	4.0	332	210	42	22	5.1	14.0	17	4.0
MW1	22/1/24	4.4	283	180	44	24	5.2	12.0	17	4.0
MW1	12/4/24	4.3	292	180	41	29	5.0	12.0	19	5.0
MW1	31/7/24	4.3	323	200	51	30	6.7	13.0	22	5.7

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
MW1	5/10/23	4.0	332	210	42	22	5.1	14.0	17	4.0
MW1	22/1/24	4.4	283	180	44	24	5.2	12.0	17	4.0
MW1	12/4/24	4.3	292	180	41	29	5.0	12.0	19	5.0
MW1	31/7/24	4.3	323	200	51	30	6.7	13.0	22	5.7

Sample

MW10

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
MW10	5/10/23	4.5	262	160	63	3	2.0	5.0	29	1.0
MW10	22/1/24	4.4	289	180	74	3	1.0	5.6	31	1.0
MW10	12/4/24	4.4	261	160	61	6	0.7	5.0	30	1.0
MW10	31/7/24	4.4	269	170	67	12	1.0	5.4	27	1.0

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
MW10	5/10/23	4.5	262	160	63	3	2.0	5.0	29	1.0
MW10	22/1/24	4.4	289	180	74	3	1.0	5.6	31	1.0
MW10	12/4/24	4.4	261	160	61	6	0.7	5.0	30	1.0
MW10	31/7/24	4.4	269	170	67	12	1.0	5.4	27	1.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
MW10	5/10/23	4.5	262	160	63	3	2.0	5.0	29	1.0
MW10	22/1/24	4.4	289	180	74	3	1.0	5.6	31	1.0
MW10	12/4/24	4.4	261	160	61	6	0.7	5.0	30	1.0
MW10	31/7/24	4.4	269	170	67	12	1.0	5.4	27	1.0

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
MW10	5/10/23	4.5	262	160	63	3	2.0	5.0	29	1.0
MW10	22/1/24	4.4	289	180	74	3	1.0	5.6	31	1.0
MW10	12/4/24	4.4	261	160	61	6	0.7	5.0	30	1.0
MW10	31/7/24	4.4	269	170	67	12	1.0	5.4	27	1.0

Sample

MW11 (Off Old Telegraph Rd)

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
MW11 (Off Old Telegraph Rd)	5/10/23	6.0	202	130	31	11	11.0	3.0	13	8.2
MW11 (Off Old Telegraph Rd)	22/1/24	6.0	267	170	32	20	19.0	4.0	15	6.0
MW11 (Off Old Telegraph Rd)	12/4/24	5.8	160	100	30	11	4.0	2.0	13	6.0
MW11 (Off Old Telegraph Rd)	31/7/24	6.0	261	160	29	34	18.0	5.0	15	8.7

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
MW11 (Off Old Telegraph Rd)	5/10/23	6.0	202	130	31	11	11.0	3.0	13	8.2
MW11 (Off Old Telegraph Rd)	22/1/24	6.0	267	170	32	20	19.0	4.0	15	6.0
MW11 (Off Old Telegraph Rd)	12/4/24	5.8	160	100	30	11	4.0	2.0	13	6.0
MW11 (Off Old Telegraph Rd)	31/7/24	6.0	261	160	29	34	18.0	5.0	15	8.7

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
MW11 (Off Old Telegraph Rd)	5/10/23	6.0	202	130	31	11	11.0	3.0	13	8.2
MW11 (Off Old Telegraph Rd)	22/1/24	6.0	267	170	32	20	19.0	4.0	15	6.0
MW11 (Off Old Telegraph Rd)	12/4/24	5.8	160	100	30	11	4.0	2.0	13	6.0
MW11 (Off Old Telegraph Rd)	31/7/24	6.0	261	160	29	34	18.0	5.0	15	8.7

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
MW11 (Off Old Telegraph Rd)	5/10/23	6.0	202	130	31	11	11.0	3.0	13	8.2
MW11 (Off Old Telegraph Rd)	22/1/24	6.0	267	170	32	20	19.0	4.0	15	6.0
MW11 (Off Old Telegraph Rd)	12/4/24	5.8	160	100	30	11	4.0	2.0	13	6.0
MW11 (Off Old Telegraph Rd)	31/7/24	6.0	261	160	29	34	18.0	5.0	15	8.7

Sample

MW12

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
MW12	5/10/23	4.9	107	67	17	7	2.0	0.9	14	0.0
MW12	22/1/24	4.9	110	69	20	9	2.0	1.0	14	0.9
MW12	12/4/24	5.0	126	79	22	9	2.0	1.0	13	2.0
MW12	31/7/24	4.9	107	67	22	7	2.0	1.0	13	0.9

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
MW12	5/10/23	4.9	107	67	17	7	2.0	0.9	14	0.0
MW12	22/1/24	4.9	110	69	20	9	2.0	1.0	14	0.9
MW12	12/4/24	5.0	126	79	22	9	2.0	1.0	13	2.0
MW12	31/7/24	4.9	107	67	22	7	2.0	1.0	13	0.9

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
MW12	5/10/23	4.9	107	67	17	7	2.0	0.9	14	0.0
MW12	22/1/24	4.9	110	69	20	9	2.0	1.0	14	0.9
MW12	12/4/24	5.0	126	79	22	9	2.0	1.0	13	2.0
MW12	31/7/24	4.9	107	67	22	7	2.0	1.0	13	0.9

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
MW12	5/10/23	4.9	107	67	17	7	2.0	0.9	14	0.0
MW12	22/1/24	4.9	110	69	20	9	2.0	1.0	14	0.9
MW12	12/4/24	5.0	126	79	22	9	2.0	1.0	13	2.0
MW12	31/7/24	4.9	107	67	22	7	2.0	1.0	13	0.9

Sample

MW6 (Office)

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
MW6 (Office)	5/10/23	7.5	354	220	83	0	4.0	3.0	49	2.0
MW6 (Office)	22/1/24	8.3	341	210	87	0	3.0	2.0	49	2.0
MW6 (Office)	12/4/24	7.4	342	210	77	1	2.0	2.0	45	2.0
MW6 (Office)	31/7/24	7.8	354	220	82	0	4.0	3.0	43	2.0

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
MW6 (Office)	5/10/23	7.5	354	220	83	0	4.0	3.0	49	2.0
MW6 (Office)	22/1/24	8.3	341	210	87	0	3.0	2.0	49	2.0
MW6 (Office)	12/4/24	7.4	342	210	77	1	2.0	2.0	45	2.0
MW6 (Office)	31/7/24	7.8	354	220	82	0	4.0	3.0	43	2.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
MW6 (Office)	5/10/23	7.5	354	220	83	0	4.0	3.0	49	2.0
MW6 (Office)	22/1/24	8.3	341	210	87	0	3.0	2.0	49	2.0
MW6 (Office)	12/4/24	7.4	342	210	77	1	2.0	2.0	45	2.0
MW6 (Office)	31/7/24	7.8	354	220	82	0	4.0	3.0	43	2.0

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
MW6 (Office)	5/10/23	7.5	354	220	83	0	4.0	3.0	49	2.0
MW6 (Office)	22/1/24	8.3	341	210	87	0	3.0	2.0	49	2.0
MW6 (Office)	12/4/24	7.4	342	210	77	1	2.0	2.0	45	2.0
MW6 (Office)	31/7/24	7.8	354	220	82	0	4.0	3.0	43	2.0

Sample

MW7

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
MW7	5/10/23	5.4	186	120	28	6	1.0	0.8	30	0.0
MW7	22/1/24	5.4	185	120	30	9	1.0	0.8	28	0.5
MW7	12/4/24	5.6	181	110	29	8	0.0	0.0	26	0.0
MW7	31/7/24	5.4	174	110	31	7	2.0	1.0	24	0.9

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
MW7	5/10/23	5.4	186	120	28	6	1.0	0.8	30	0.0
MW7	22/1/24	5.4	185	120	30	9	1.0	0.8	28	0.5
MW7	12/4/24	5.6	181	110	29	8	0.0	0.0	26	0.0
MW7	31/7/24	5.4	174	110	31	7	2.0	1.0	24	0.9

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
MW7	5/10/23	5.4	186	120	28	6	1.0	0.8	30	0.0
MW7	22/1/24	5.4	185	120	30	9	1.0	0.8	28	0.5
MW7	12/4/24	5.6	181	110	29	8	0.0	0.0	26	0.0
MW7	31/7/24	5.4	174	110	31	7	2.0	1.0	24	0.9

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
MW7	5/10/23	5.4	186	120	28	6	1.0	0.8	30	0.0
MW7	22/1/24	5.4	185	120	30	9	1.0	0.8	28	0.5
MW7	12/4/24	5.6	181	110	29	8	0.0	0.0	26	0.0
MW7	31/7/24	5.4	174	110	31	7	2.0	1.0	24	0.9

Sample

MW8

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
MW8	5/10/23	4.4	198	120	47	2	2.0	3.0	22	0.0
MW8	22/1/24	4.4	202	130	49	2	1.0	3.0	22	0.0
MW8	12/4/24	4.4	195	120	45	1	0.7	3.0	20	0.0
MW8	31/7/24	4.4	189	120	47	1	1.0	3.0	21	0.0

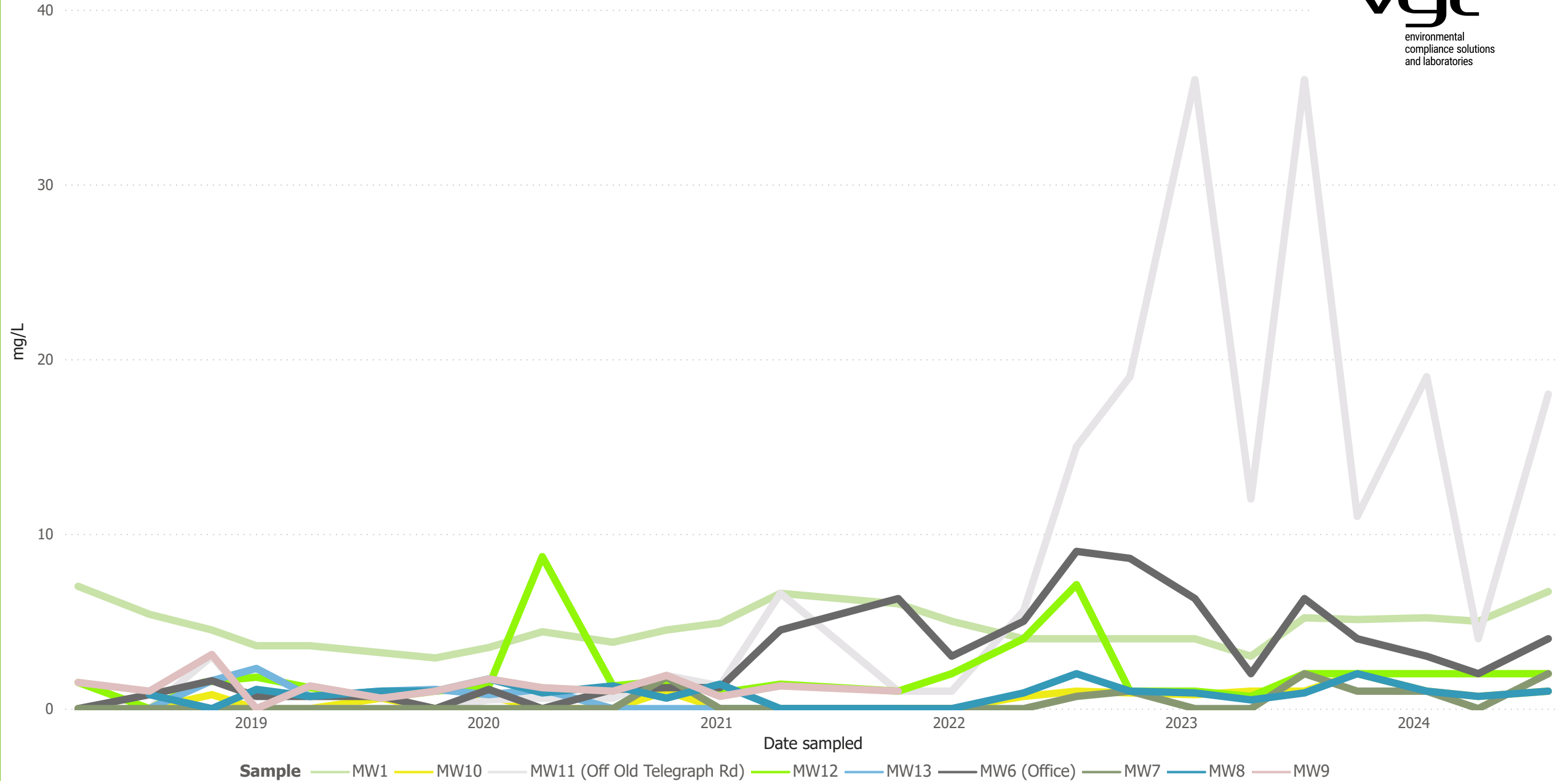
Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
MW8	5/10/23	4.4	198	120	47	2	2.0	3.0	22	0.0
MW8	22/1/24	4.4	202	130	49	2	1.0	3.0	22	0.0
MW8	12/4/24	4.4	195	120	45	1	0.7	3.0	20	0.0
MW8	31/7/24	4.4	189	120	47	1	1.0	3.0	21	0.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
MW8	5/10/23	4.4	198	120	47	2	2.0	3.0	22	0.0
MW8	22/1/24	4.4	202	130	49	2	1.0	3.0	22	0.0
MW8	12/4/24	4.4	195	120	45	1	0.7	3.0	20	0.0
MW8	31/7/24	4.4	189	120	47	1	1.0	3.0	21	0.0

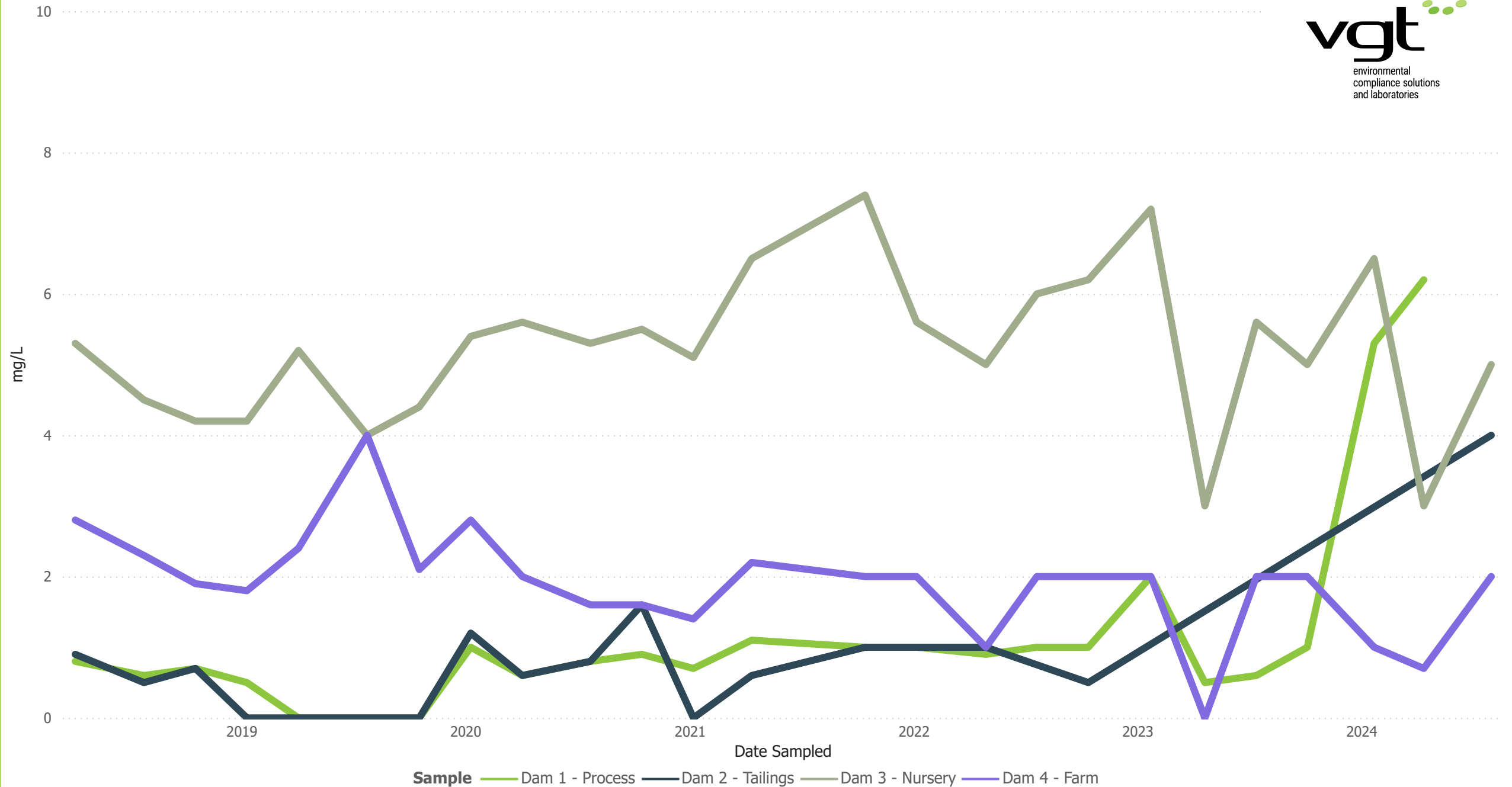
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MW8	5/10/23	4.4	198	120	47	2	2.0	3.0	22	0.0
MW8	22/1/24	4.4	202	130	49	2	1.0	3.0	22	0.0
MW8	12/4/24	4.4	195	120	45	1	0.7	3.0	20	0.0
MW8	31/7/24	4.4	189	120	47	1	1.0	3.0	21	0.0

Water Quality Trends

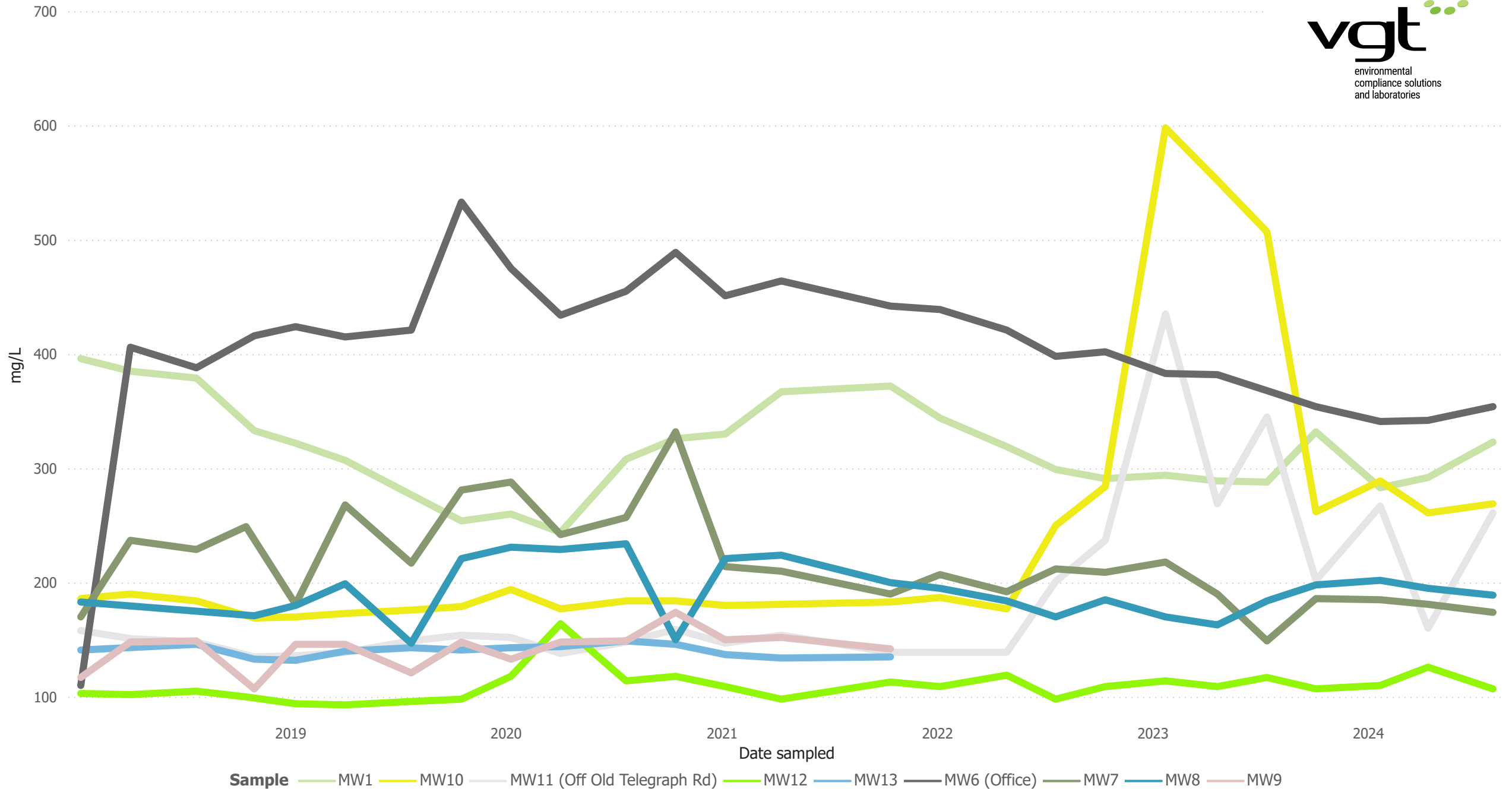
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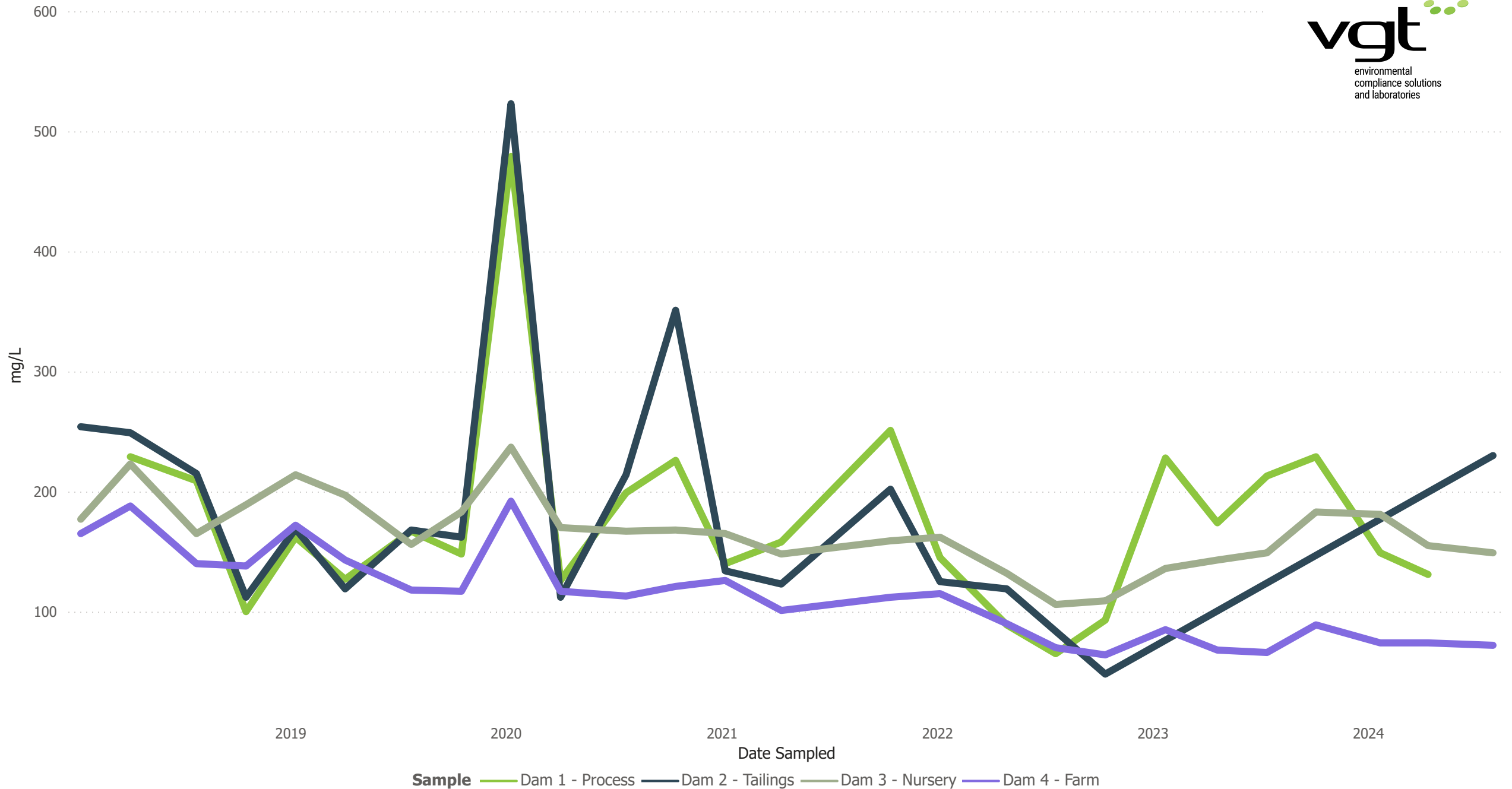
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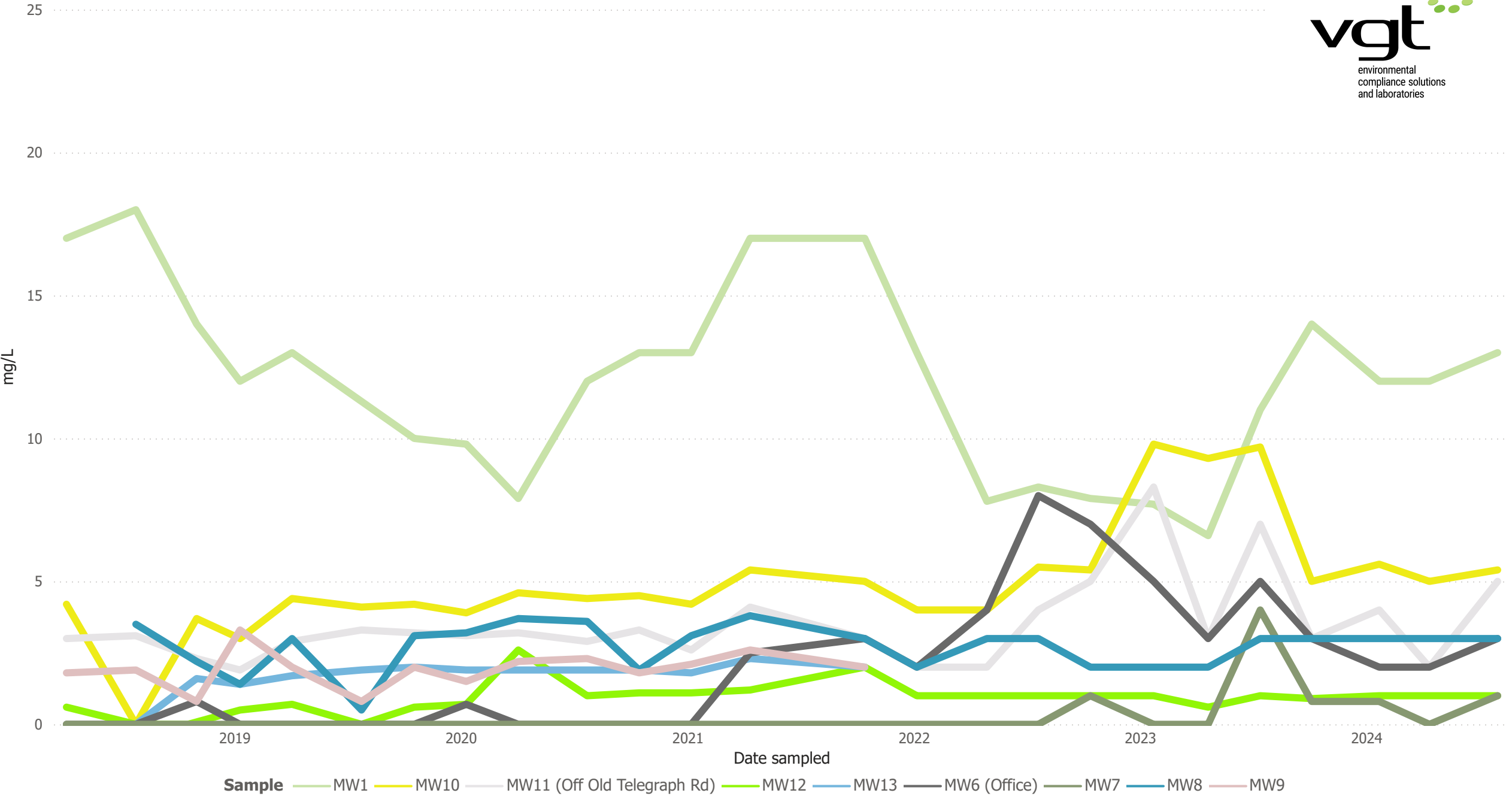
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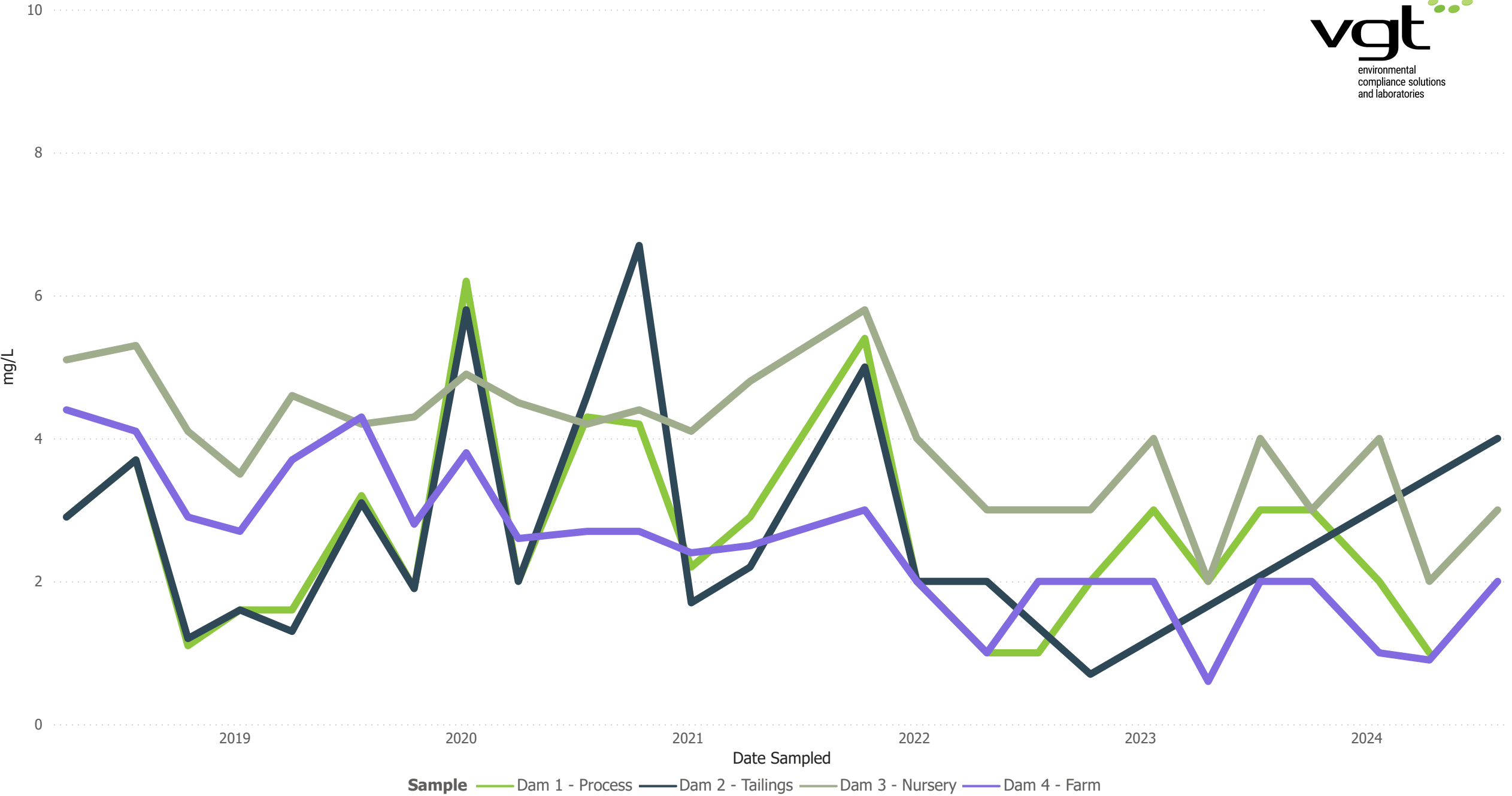
Electrical Conductivity



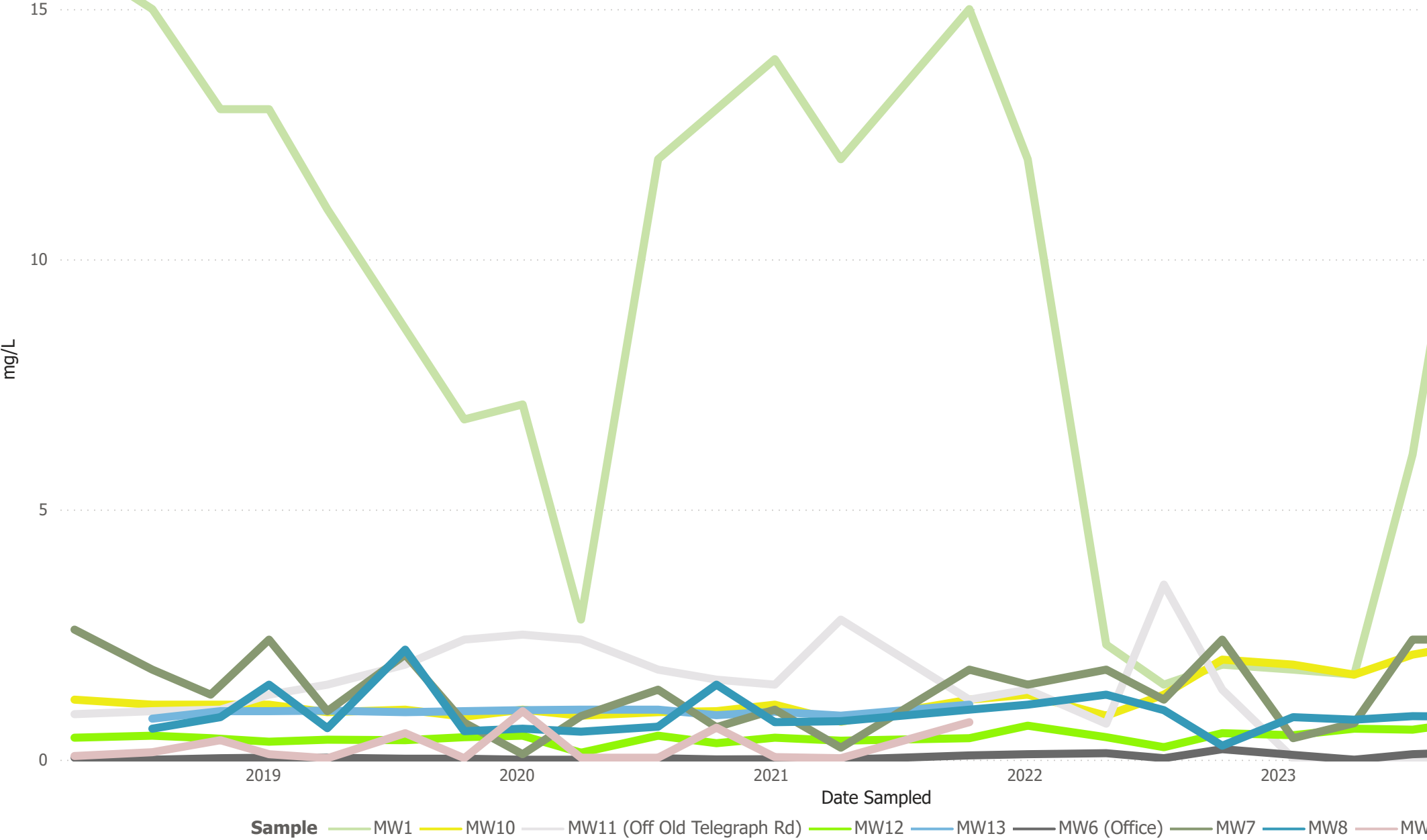
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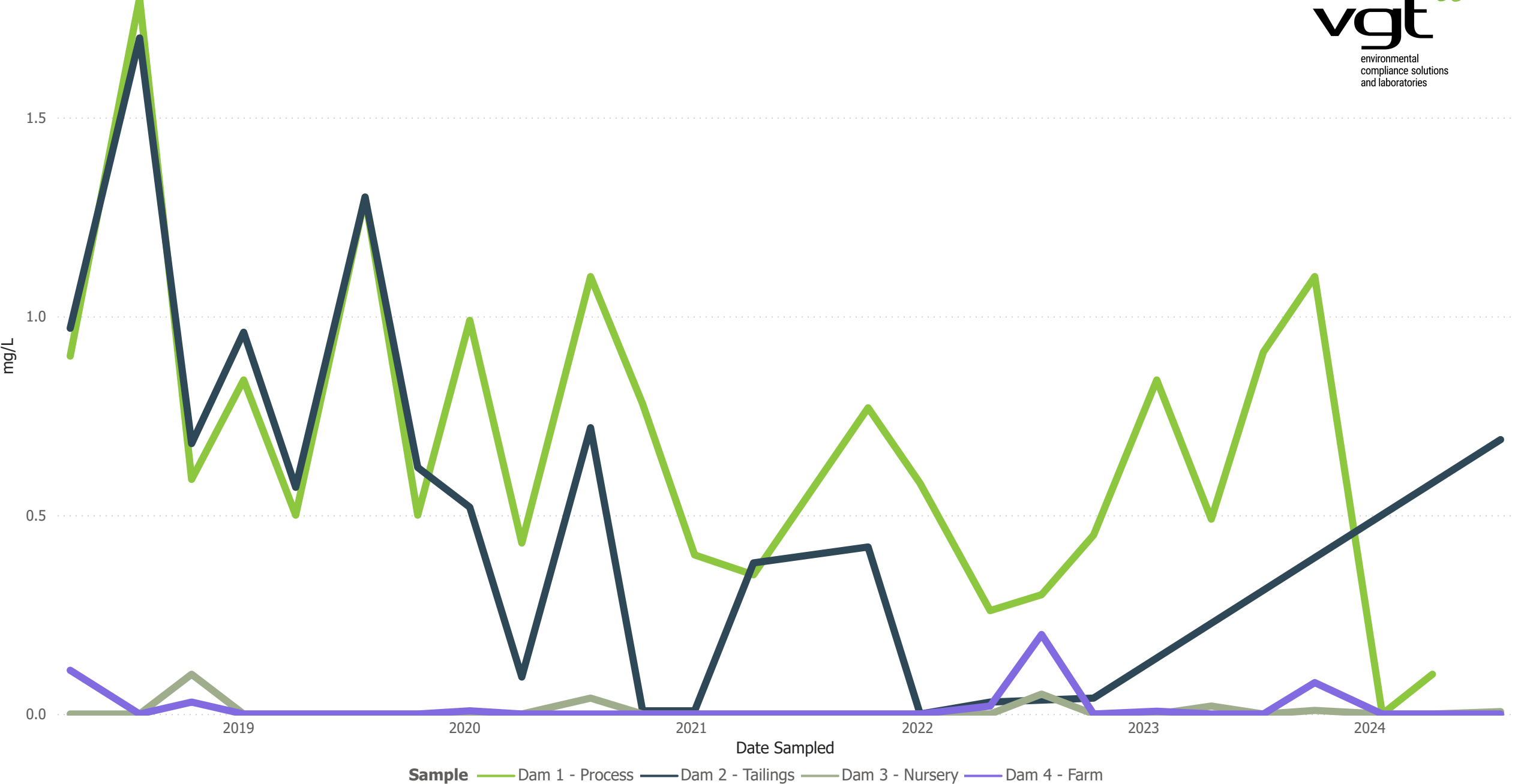
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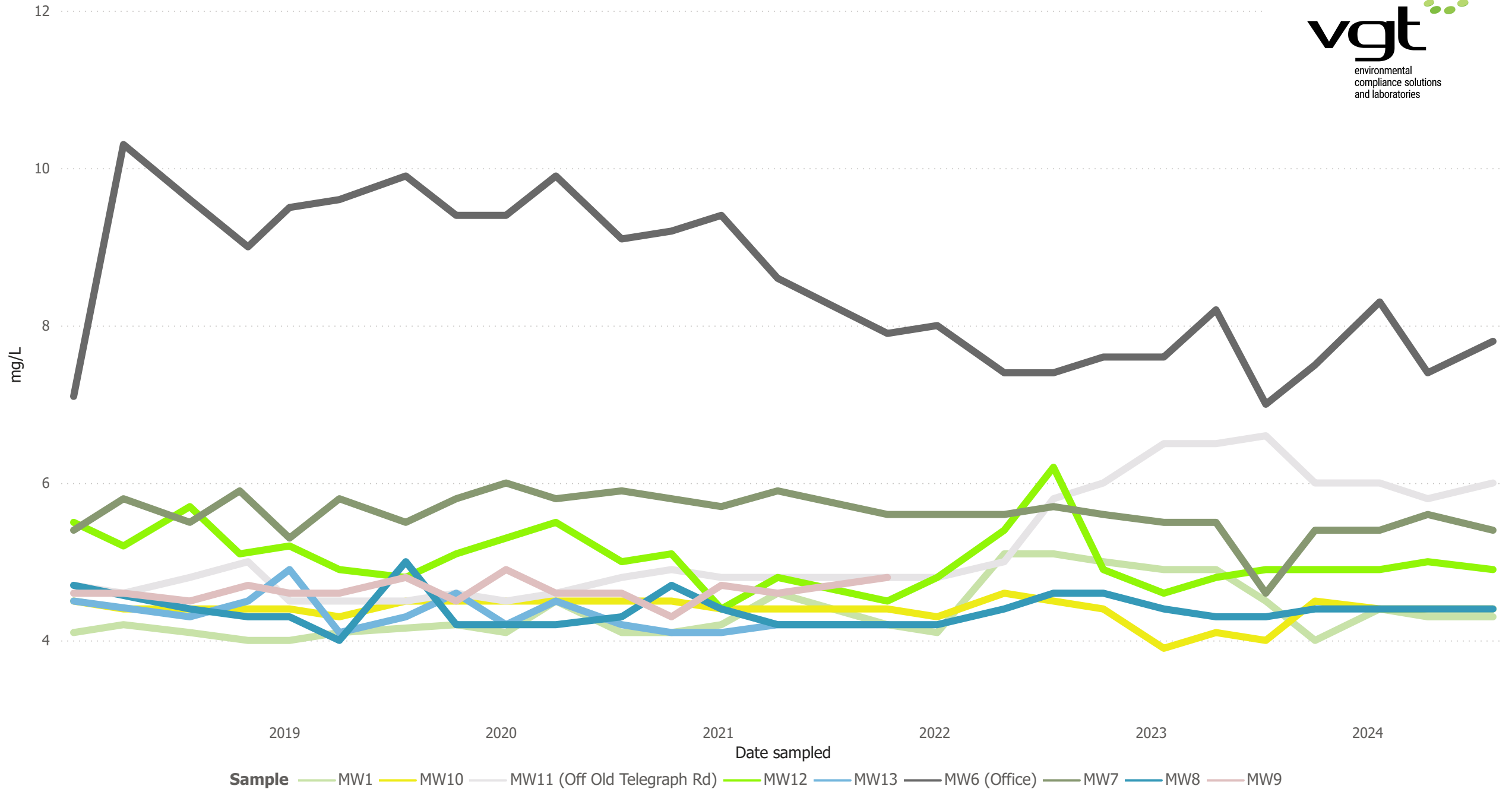
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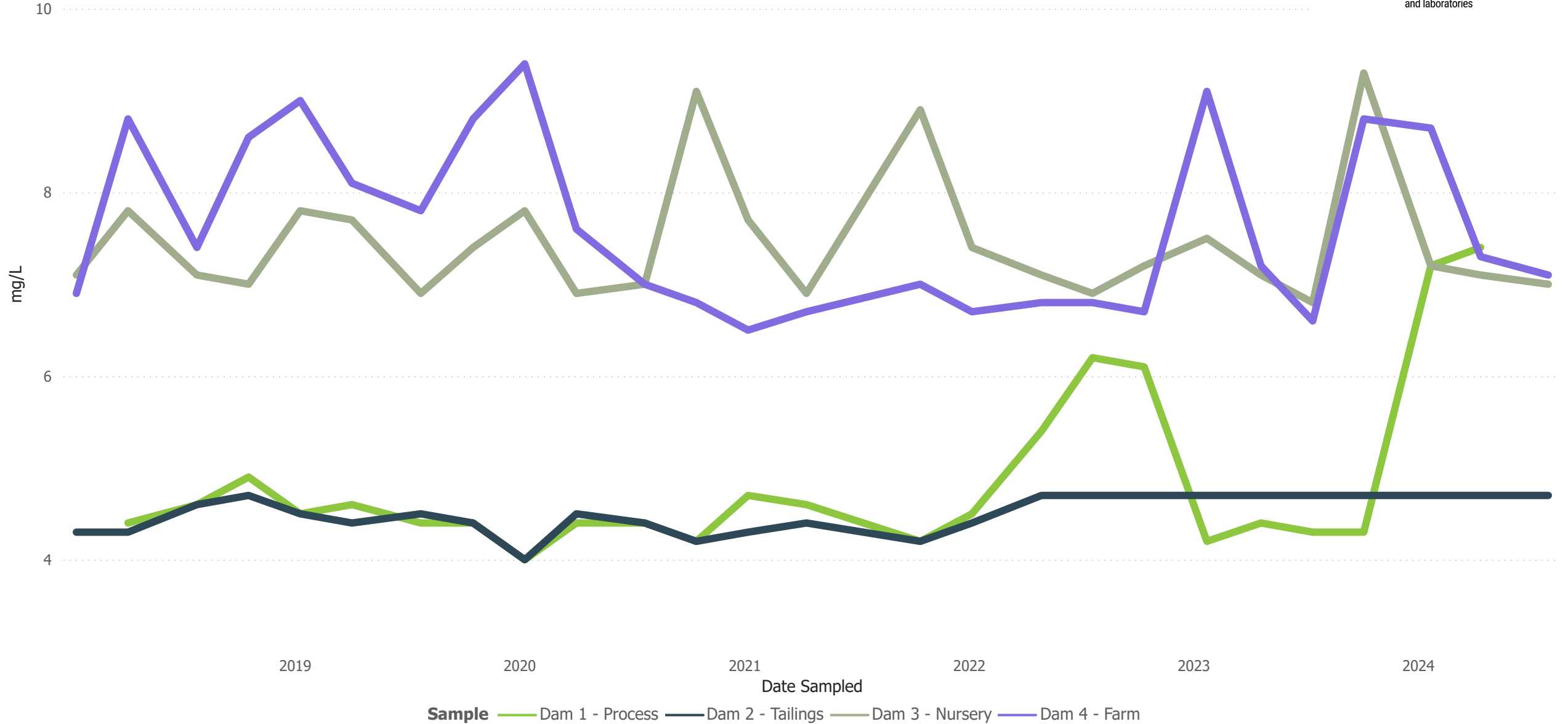
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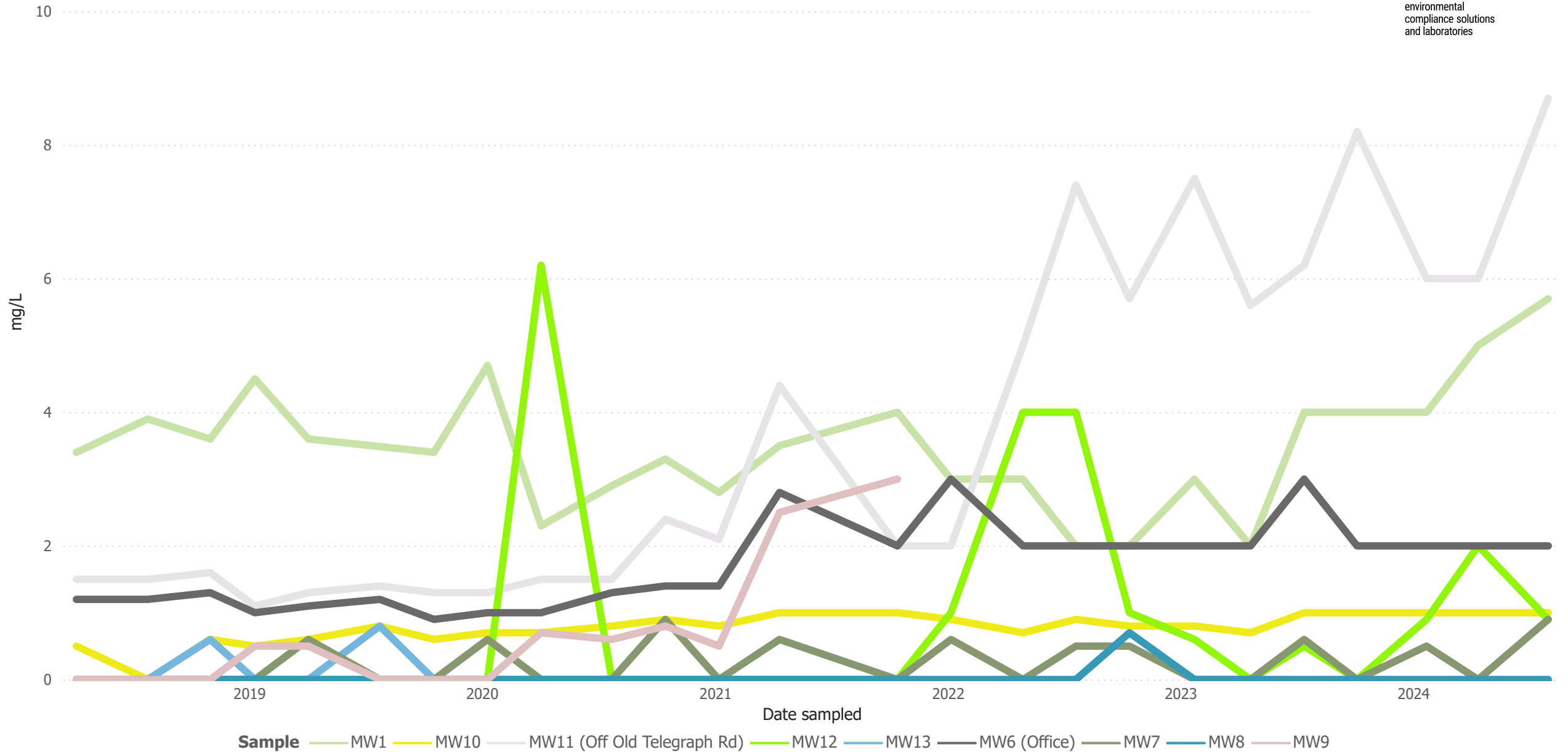
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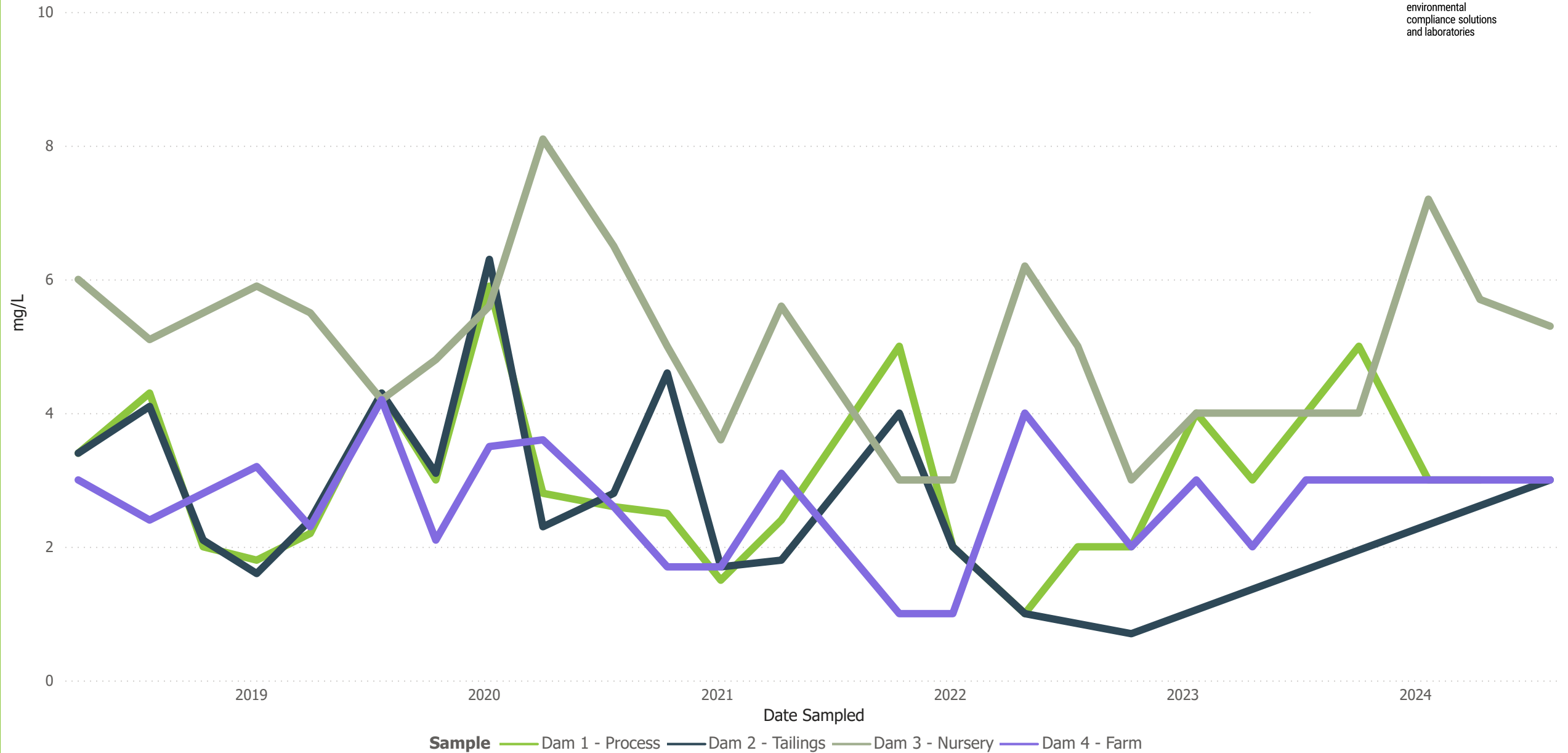
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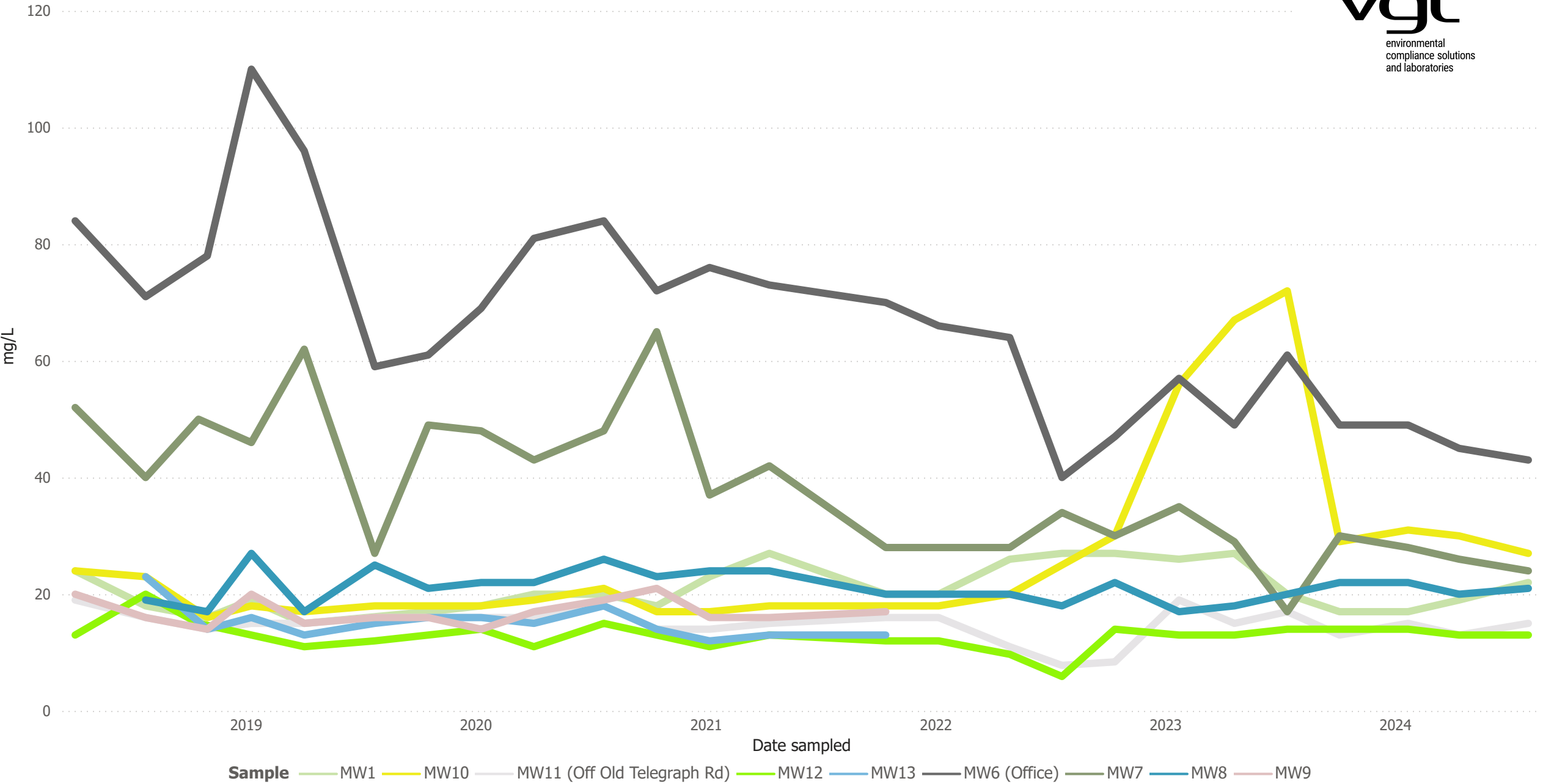
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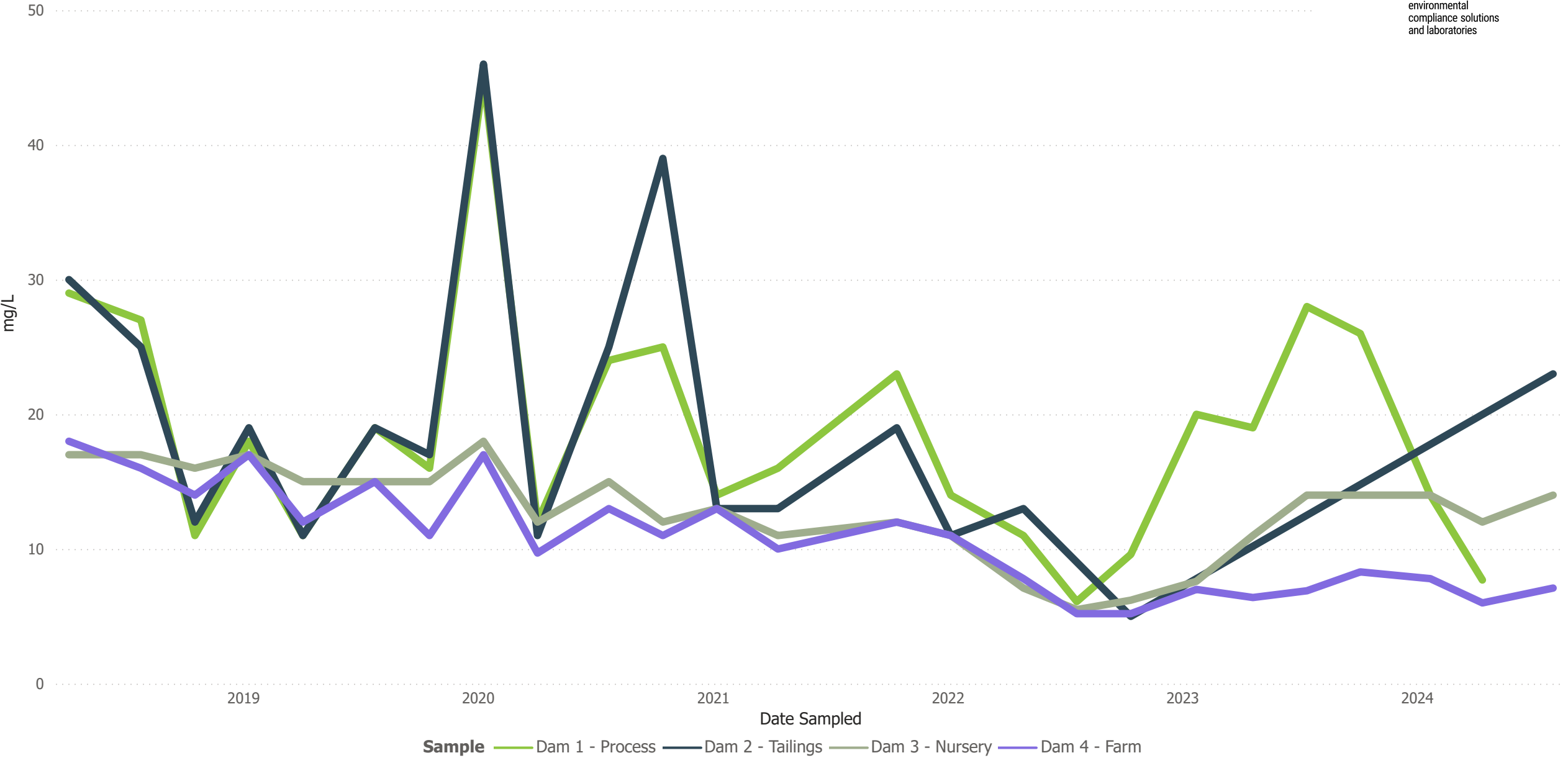
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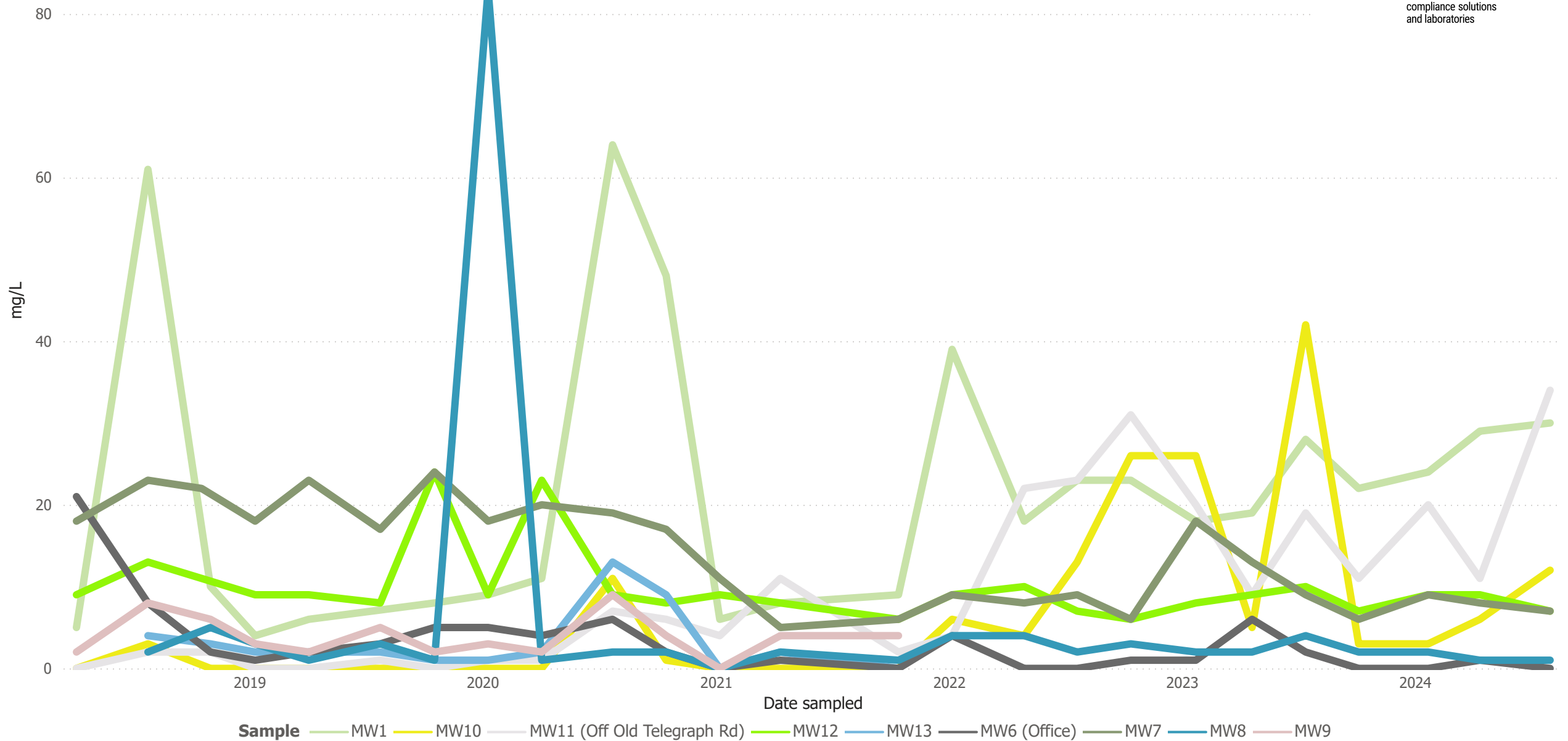
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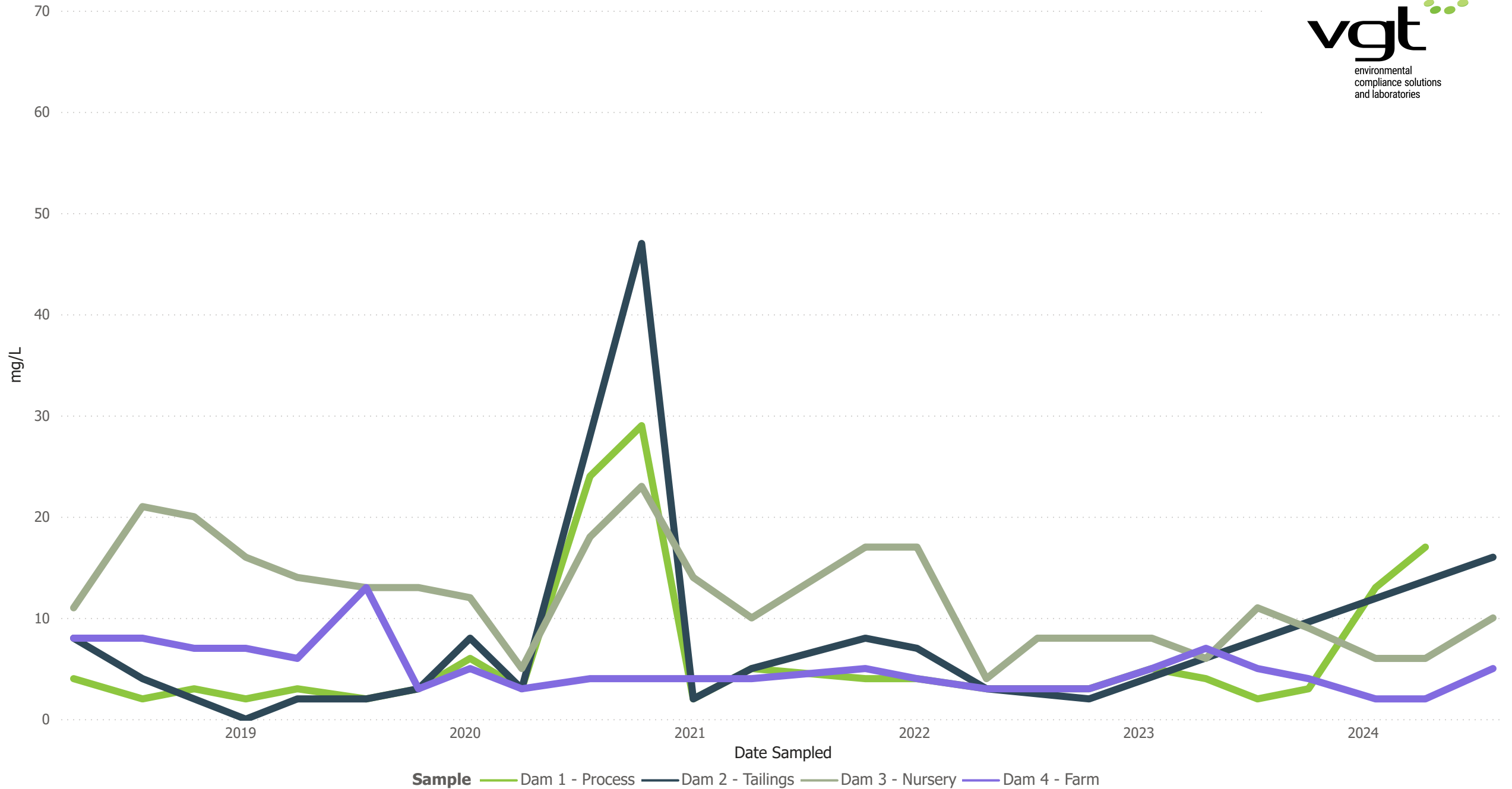
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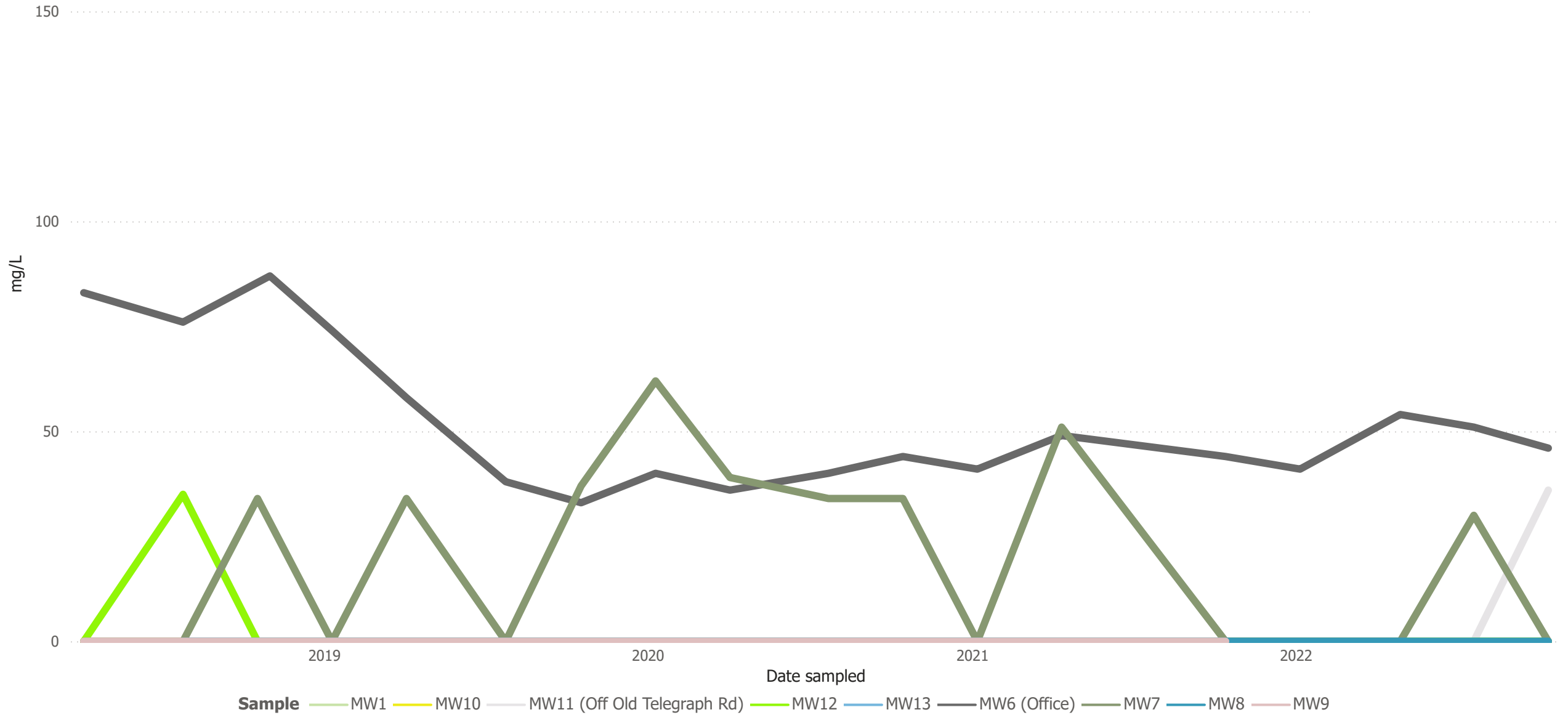
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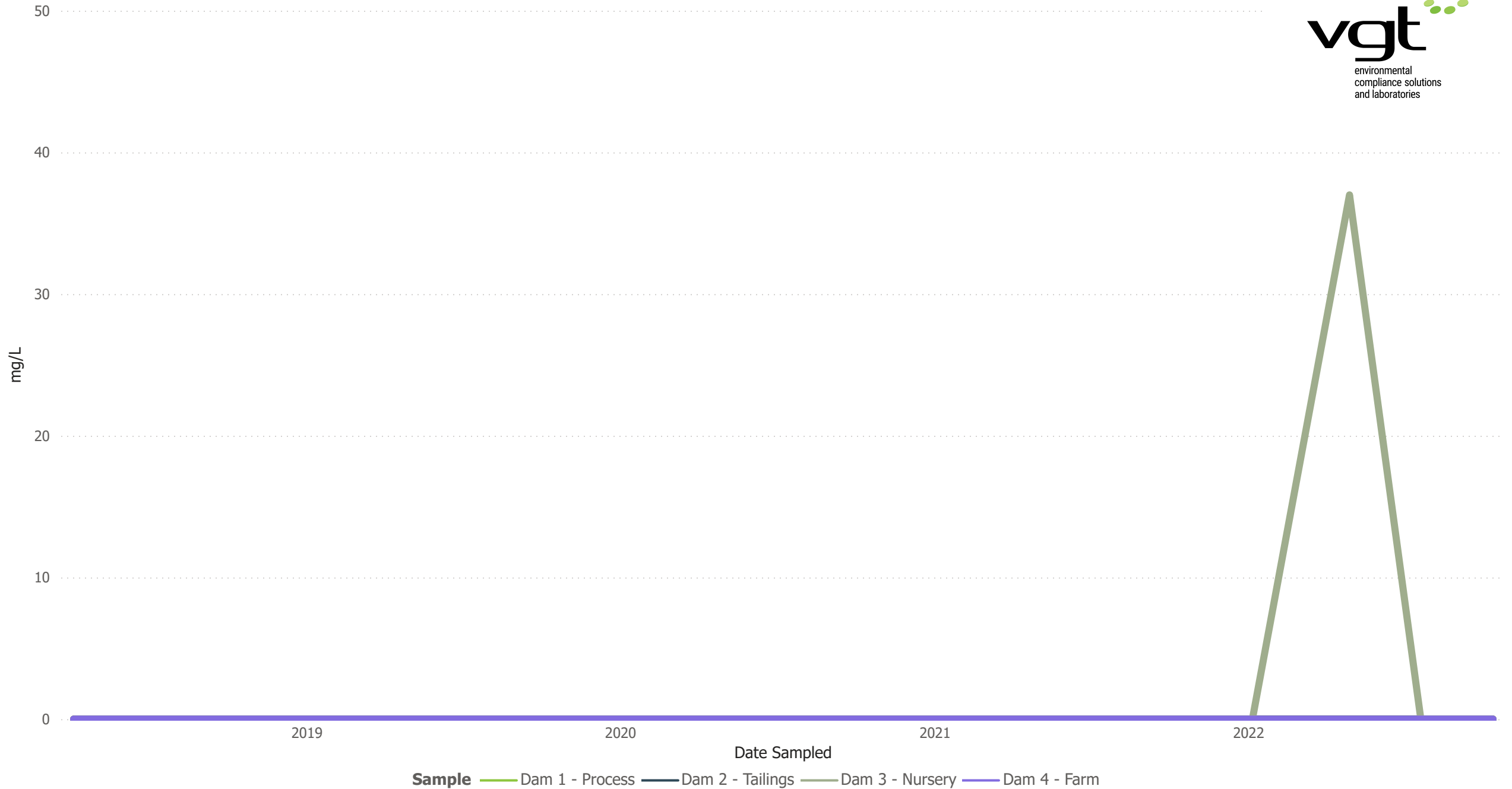
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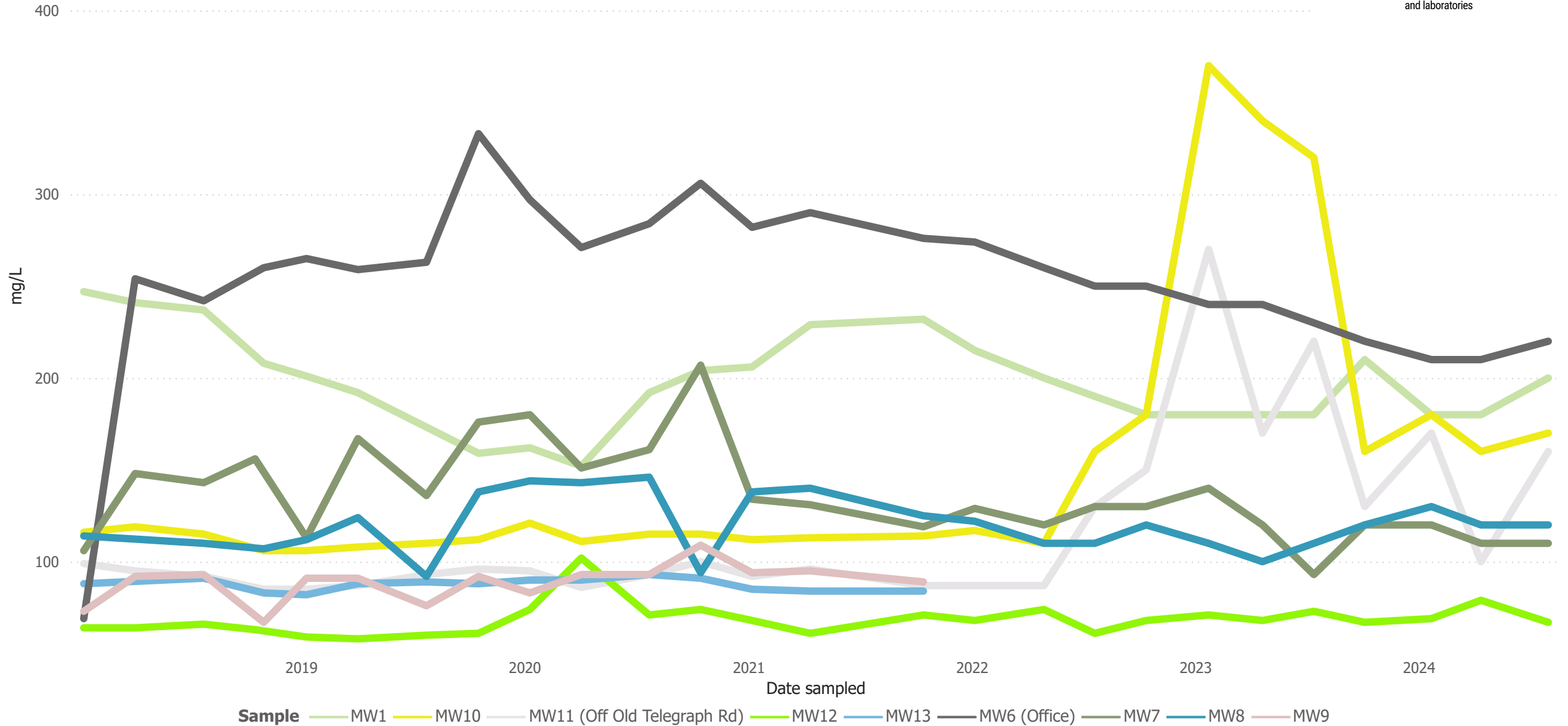
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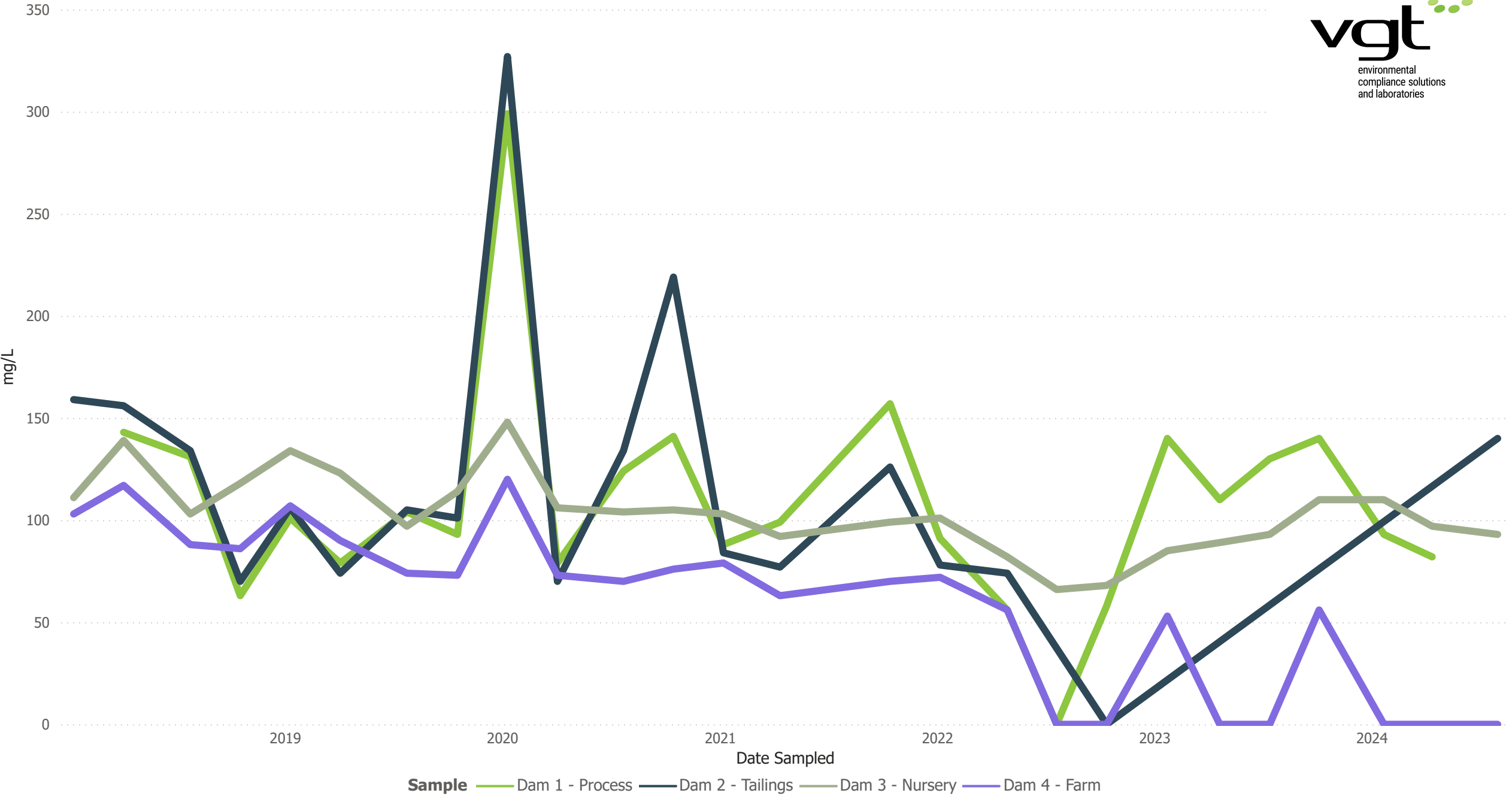
Total Alkalinity



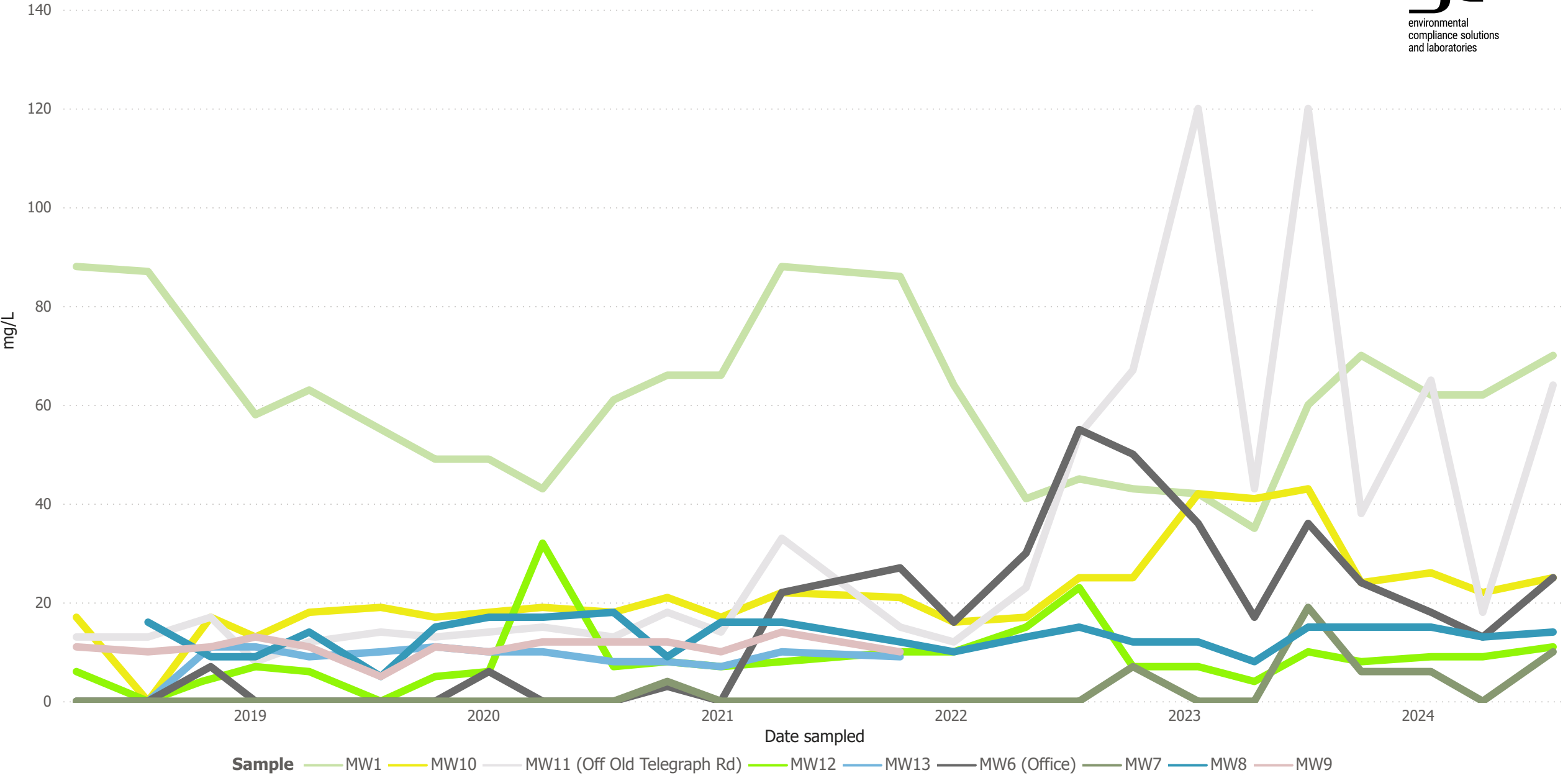
Total Dissolved Solids



Total Dissolved Solids



Total Hardness



Total Hardnes

